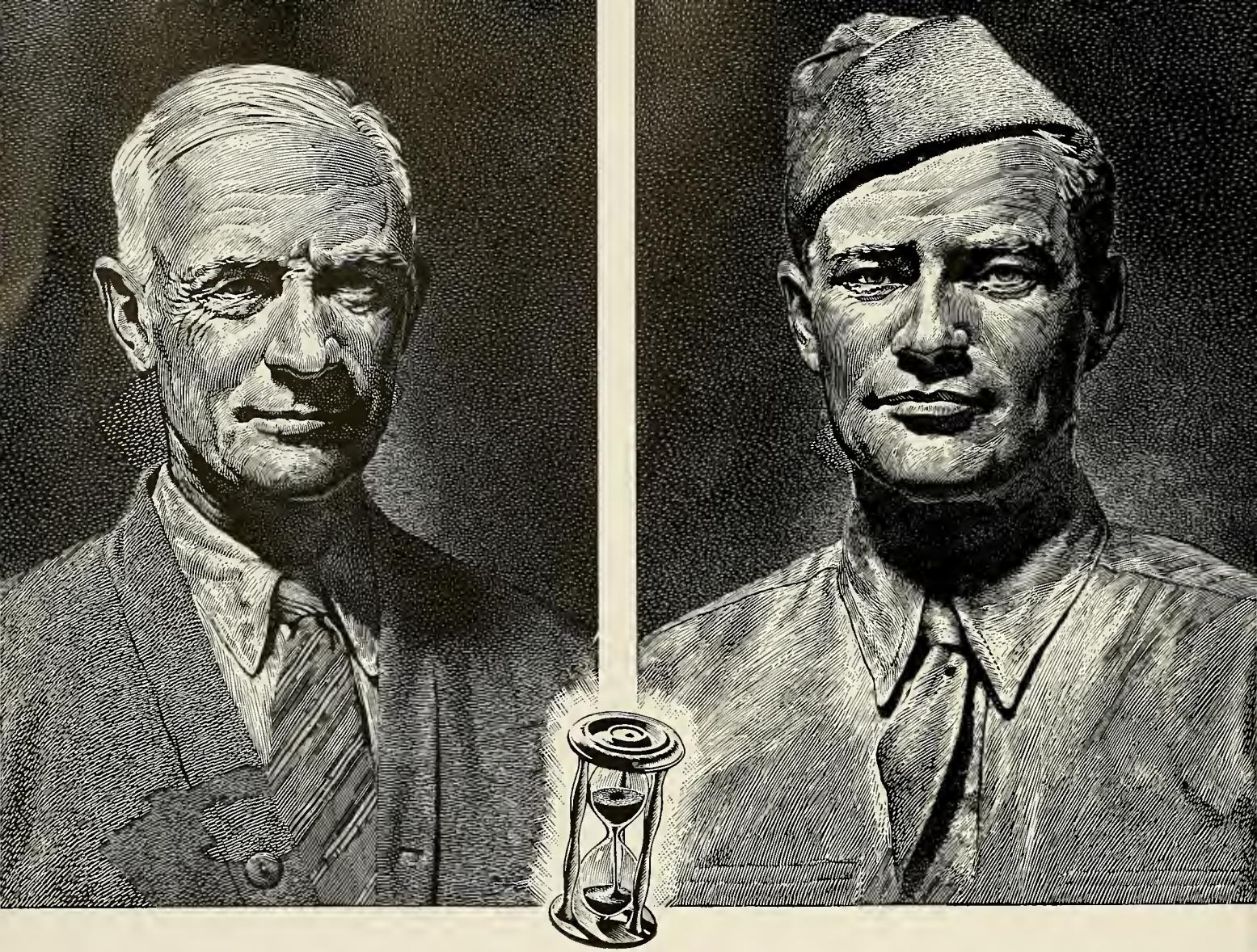


Lehigh Alumni

BULLETIN



February 1944



Old Joe said to Young Joe...

"...when you get over there in the thick of it, son, you won't have time to think about the fancy ideals you're supposed to be fighting for. You'll be interested mostly in shooting straight, and shooting first.

"But some night when you're lying out under the stars, you'll probably figure the whole thing out—and it will be very simple.

"You'll realize that you're fighting to protect the kind of decency and freedom you were raised in—and will want to raise *your* kids in, too.

"You'll be fighting to protect the opportunity that *all* Americans have of starting at the bottom and getting to the top—and that's *typically American*.

"You're fighting to protect your right to live your own life in your own way without being pushed around by some bright young bureaucrat who wants to do all your planning for you.

"That's about all there is to it, son. But it's mighty worth while—this business of keeping our freedom—of sticking to the things that have made America great.

"I've often thought that our own family was a pretty good example of what can happen in this country—and nowhere else. I started doing odd jobs in this very hardware store, when I was ten years old. Made up my mind I'd own it some day. Nothing in the world to stop me—if I *really wanted* it.

"We didn't have cars and trucks and airplanes in those days. No radios. No telephones, movies, or electric lights.

"I didn't have much education—didn't have the time or money to get it. But I made up my mind that my own children would have some of the things I didn't have.

"You've had a good education. You went to college. You've traveled around the country in your car. You've seen how the other fellow lives. You keep up to date through your radio and your reading.

"And, son, it's hard to believe that most of the inventions, advantages and improvements that have made you more efficient and more comfortable, have happened in my lifetime.

"But that's the very thing I'm talking about. That's the power of America. We've got push in this country—and ingenuity—the determination to keep on getting stronger and better all the time. "And all of us have got to see that nothing stops that kind of progress—neither enemies from the outside, *nor from the inside*.

"You're a chip off the old block, son. You think about the way I do. You work hard—very hard. But you've had more advantages than I had. And you're a better man in every way. You'll go farther.

"Just remember this, my boy—you're a free agent. Your future is under your hat. You have seen what our American way of doing things has meant to you and me and millions of others, in opportunity, progress and happiness. That's what you're really fighting for, son. You put the heat on, over there—and I'll put it on over here."

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The Lehigh Alumni Bulletin February

On the Cover this Month

In World War I Lewis W. Baldwin, '96, currently president of the Missouri Pacific Railroad and Director of all southwestern railroads, accepted a Colonel's commission, and cooperated with the Army when that organization found it necessary to assume control of all American railroads. Last month history repeated itself, and prominent alumnus Baldwin was one of six railroad heads commissioned to aid the Army in a similar railroad crisis. But the emergency was short lived, and Colonel Baldwin, his work accomplished, quietly removed his uniform, returned to his desk, and began preparing for the vital part railroads will play in the postwar era.

Seen on the cover this month Colonel Baldwin is being congratulated on his appointment by Colonel Converse R. Lewis, Commandant of Jefferson Barracks, Missouri, where he was finger-printed and photographed prior to being commissioned.



Features

- ★ To the Editor page 3
- ★ The Bulletin Board page 5
- ★ Champion Maker page 6
- ★ Lehigh Men in Service page 8
- ★ Education's Problem page 11
- ★ A Great Career Ends page 12
- ★ Following the Alumni Clubs page 13
- ★ The Sports Parade page 17
- ★ A Scholarship Fund page 18
- ★ Lives of Lehigh Men page 20

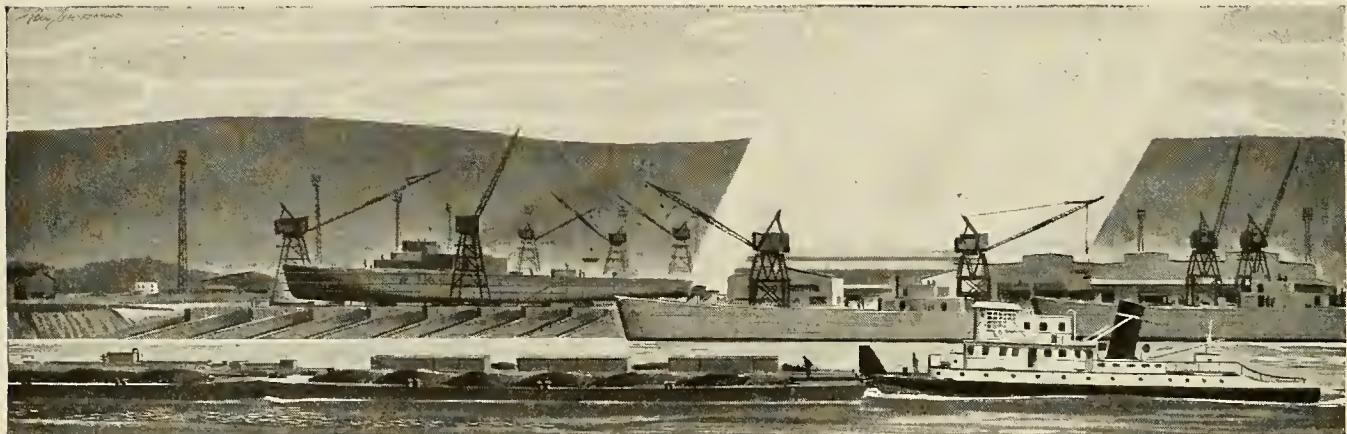
- ★ Leonard H. Schick Robert F. Herrick
- ★ OFFICERS: President, Nevin E. Funk, '05; Vice-Presidents, Robert C. Watson, '13, and George F. Nordenholt, '14; Treasurer, R. S. Taylor, '95.
- ★ ALUMNUS TRUSTEES: Stewart J. Cort, '06; Andrew E. Buchanan, Jr., '18; W. L. Estes, '05; W. S. Landis, '02; A. V. Bodine, '15, and James H. Pierce, '10.

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this name →



means sea-going fighting ships—
built by modern assembly line methods—
two thousand miles from salt water.



The peaceful banks of the Ohio River at Pittsburgh are 2,000 miles by water from the sea—hardly a location where you'd look for an outstanding shipyard engaged in combat ship production—the *leading yard* for the Nation for the construction of tank landing ships—LST's.



The reputation Dravo earned for skillful design and boldly original building methods during the years when it was the Nation's largest producer of towboats and barges is in a large measure responsible for the award of important Navy contracts—which are now being filled ahead of schedule—at so great a distance from salt water.

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To the Editor

On the USS President Jackson . . .

. . . Just wanted to call your attention to a change of address. I have been on this duty for several months now, and received one of your news letters the other day which reminded me to write.

I happen to be Senior Medical officer on this ship, and believe it a grand duty. We (the ship) is doing a swell piece of work, and we're all trying. We take troops to combat areas and evacuate wounded, so that my department gets quite a work out at times.

Yours truly,
Lt. Comdr. Howard B. Mason, '22

Favors abolition of football . . .

I want to go on record as thoroughly approving the abolishment of football at Lehigh for the duration. With possibly 25% of the normal student body, plus the pressure of war interests, what chance can football possibly enjoy? An excellent solution.

We have a Lafayette man in this regiment stationed in the Aleutians and when he began rubbing the 58-0 score in on me at Staff-Mess, I let him have the old 78-0 reminder, for I was a freshman that year. Yes, I helped paint "78-0" all over Bethlehem and was nearly "brained" by a street-car conductor when I pulled his power pole off the line. I remember it all



CAPT. CHAS. SATTERTHWAIT, '22
"recalls the 78-0 score of 1917"

very well, and I managed to shut him up.

We are having a far more severe winter here now than we did last year. I have been in the Aleutians about fifteen months, including this and our last post.

Yours for Lehigh,
Capt. Charles S. Satterthwait, '22

Keeps moving about . . .

This is just a short note in the midst of much work to inform you of a change in address. It seems the War Department thinks it best to keep an old infantryman moving about, and I am now in London with General Staff.

Quite by accident I met four Lehigh men last evening. They were Myron Sterngold, '39, Jack Colbaugh, '40, Jack Roach, '42, and Tony Carcione, '41. Sterngold and Carcione are old veterans in these parts, and really know the places and the people.

If the army still sends me from one place to another, I expect to see the world free of charge, as I have already been in fifteen countries for Uncle Sam.

With kindest regards,
Lt. Quentin R. Keith, '40

Receives his majority . . .

. . . The majority finally came through. I suppose the army had a few extra and one, luckily, lighted on my shoulders. On November 19 I transferred from the Ordnance Department, which I had been in ever since school days in 1928, to the Judge Advocate General's Department (legal), and was assigned to the Patents Division.

Tomorrow I am going to the J.A.G. school at the University of Michigan for a four months' course.

Sincerely
Major James M. Heilman, '31

Hopes for fleet service . . .

I have been enjoying "Lehigh Passes in Review" for several months now, and when they arrive I secure everything in order to see what's new with Lehigh and Lehigh men.

Back at the University of Minnesota where I had a three months indoctrination in Aero Engineering Bob Knipe,

'32, was our Senior Officer present (S.O.P.) He received his commission as a (j. g.) about the same time I graduated last May.

After leaving Minnesota we went to the Vega training school at Burbank where we had a five week practical course on the overhaul of the PV-1, a fast patrol ship built by Lockheed.



MAJOR JAMES HEILMAN, '31
". . . assigned to the Patents Division"

Vega. Again Knipe was the S.O.P.

Now I am at Peru, Indiana, and my job is in assembly and repair of the N2S and the SNS training planes. I hope to be with the fleet before summer, but at present it looks as though procurement was a step ahead of ship building.

Sincerely
Ensign S. P. Caldwell, '43

Satisfied with the Army . . .

I have certainly enjoyed and appreciated "Lehigh Passes in Review" which has been following me around the country, and have been intending to write for some time, but in traditional Lehigh fashion have been putting it off.

As far as up to the minute news is concerned I have very little, but here goes never-the-less. Charles Curtiss, '43, an Ensign in the Assembly and Repair section of the Naval Air Corps left Washington for sunny California last week for a six week course in an unmentioned bomber plant. Chet Finch, '43, who was commissioned in Ordnance has been transferred to the MP's and Ensign Sam Davy, '43, is with the submarine "Porpoise" somewhere on the high seas.

And as for myself, having trans-



Class in Electricity

Drawn from widely separated peace-time occupations, these purposeful learners in a Bethlehem shipyard are being taught the essentials of marine electrical work.

None of them had ever before set foot in a shipyard, or had any experience with electricity beyond changing a light bulb or plugging in a toaster. But soon these same men and women will be installing complicated electrical wiring on troopships and cargo carriers—and doing the work with speed and skill comparable to an experienced electrician.

Not that full-fledged electricians can be produced in a few short weeks. But by well-planned training, learn-

ers who are responsive and alert can quickly be trained to do some one branch of the work, and do it with speed and proficiency.

Training unskilled workers in marine electricity has been done successfully by following the same principle as in training workers for hundreds of other jobs: Take complicated operations or crafts that normally call for perfected skills, and break them up into their simple, readily-learned component parts.

Since 1939 Bethlehem employment rolls have increased from 100,000 workers to nearly 300,000, while 65,000 employees have left to join the armed forces. Four out of five of our

present employees are virtually newcomers, many of them women.

With instructors and supervisory people selected from among older employees to teach and guide them, these new workers have been given intensive, streamlined courses in the things they need to know.

Their zeal, their eager responsiveness to training, their ready adaptability to new tasks and surroundings, have paved the way for the all-time records Bethlehem is establishing in steel-making and ship construction.



ferred to the Corps of Engineers from the Ordnance Dept., I find I'm back in the thick of photography and lithography, preparing to join an Engineer Topographical company early this year. On the whole, I am quite satisfied with the Army, but I sure would like to get back to old Lehigh again.

Sincerely,

Lt. John S. Curtiss, '43

From the Pacific Islands . . .

Upon my return to the Islands I found a pile of your news letters and was startled to realize that it had been well over a year since I've written to anyone connected with Lehigh in an



L.T. JOHN S. CURTISS, '43

"... quite satisfied with the Army"

official way. During the course of a year much has happened, including this new address and rank which should help me get your letters a lot quicker.

I've been in Ordnance activities in the Central Pacific area for the past year and a half which so far has involved three transPacific journeys, one by transport, one by (censored), and one by air. The trip back to the states was made to attend Command and General Stadd School at Ft. Leavenworth. Upon my return I was assigned to the Ordnance Office Central Pacific Area instead of returning to one of the outlying islands where I had been stationed.

It's an interesting job, and will continue to be more interesting as this area grows more active, and, if we can believe what we read in the newspapers, that is coming. It can't come too soon for most of us since a diet of pineapple and Spam does get monotonous.

Sincerely,

Major William M. Smith, '36

The Bulletin Board

Student interest on the campus this month has been focused on final examinations, and preparations for the next semester which will get underway by month's end . . . Changes in the Selective Service law state that only 10,000 engineering students will be permitted to remain in colleges throughout the country. . . . The effect this will have on Lehigh's civilian enrollment is still uncertain. . . . But 69 seniors are graduating, and many other civilians are not planning to return for the next semester . . . and as a result the undergraduate body may drop below 300. . . . The Senior Class Gift committee is hard at work, and it is certain that the class of 1944 will contribute materially to the welfare of the University. . . .

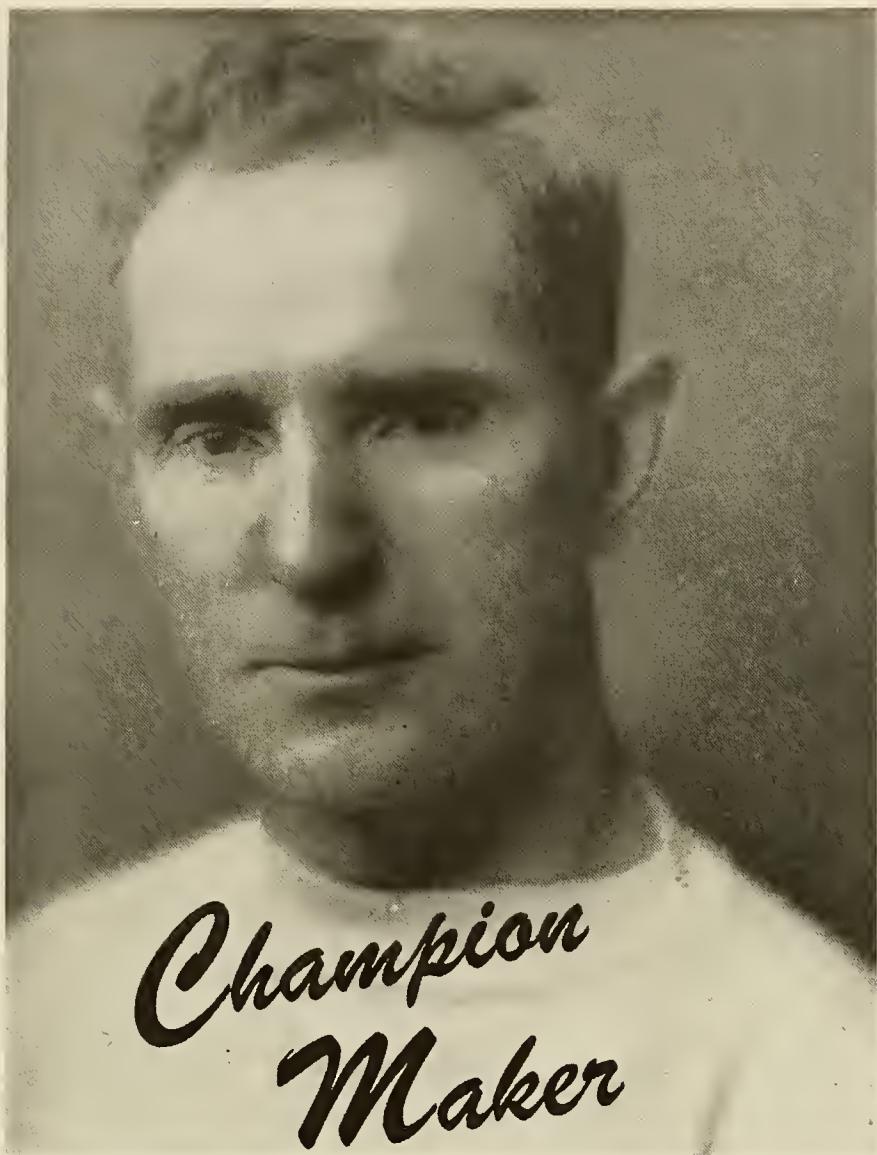
For the first time in its history the University will hold baccalaureate and commencement exercises on the same day . . . February 20 . . . Channing Pollock, famed playwright and journalist will be the speaker . . . Pollock is well known for his championing of clean, wholesome literature as opposed to sex, cynicism and decadence . . .

Social highlight of the month, the annual Interfraternity Ball was well attended by civilians and soldiers alike. . . . The dance was held in Grace Hall, and Johnny Warrington's orchestra furnished the music. . . . A new five man governing committee has been elected by Arcadia, student council. . . . Three of the new officers are members of the advanced R.O.T.C. unit which was returned to Lehigh for further study. . . . One hundred and ninety-four undergraduates received "Valentines" last month . . . and immediately began burning the "midnight oil". . . . The Mustard and Cheese play "The Man Who Came to Dinner" ran for three successive nights in Bethlehem's Civic Theatre . . . and was well received by all who witnessed the performances. . . .

While browsing in the library one day last month, Prof. James L. Clifford of the English department found a rare old volume on one of the open book shelves . . . The book, a preface and index to Gentleman's Magazine was written in 1753 by Dr. Samuel Johnson . . . Previous to Clifford's discovery only two other copies were known to exist and both of these were found in England . . . Lehigh's copy was purchased by the University in 1883 . . .

Two arts men and one engineer have been initiated into Phi Beta Kappa, national scholarship fraternity. . . . They are Reid Collman, Hibbard Gumpert, and Robert Smith. . . . The A. S. T. unit on the campus has been reduced to approximately 1200 men . . . and indications are that there may be further reductions within the next three months. . . . Highlight of a formal Regimental Ball held this month by the soldiers was the selection of a queen to rule over the festivities. . . . Weekly outdoor drills for reservists and A. S. T. men have been cancelled for the winter . . . and will be replaced by reorientation classes held in Packard auditorium. . . . A varsity A. S. T. basketball team has been formed, and will play other units in the vicinity. . . . Indications are that several officers on the campus will be transferred elsewhere within the next few weeks.

Special notice this month was given to the fiftieth anniversary of the Brown and White, undergraduate paper . . . Because of the war scarcity of paper, and lack of staff it was impossible to publish a special issue . . . but a historical insert was released, and the staff banqueted and enjoyed the annual "Clown and Gripe," a satirical take-off on the publication . . .



THIRTY-THREE years have passed since William Sheridan wandered alone and friendless along the streets of Philadelphia trying vainly to visualize a future for himself in this country, and at the same time yearning for Scotland's beautiful Loch Lomond valley where he had been born and raised. A young man of 26 he had arrived in the United States a short time before, determined to win his way in the boxing profession, but Philadelphia, with its staid Quaker background, frowned upon the sport in those days, and young Sheridan soon abandoned his fistic career and began looking elsewhere for a livelihood.

One day he chanced to stroll by the University of Pennsylvania's gymnasium, and on entering found two husky youths tugging futilely at each other on the mat. After watching their efforts for a while, he became dis-

gusted, and unable to control himself, he intervened and began showing the grateful boys a few of wrestlings basic holds. Impressed with the young Scots ability the boys introduced him to the University's athletic director, and in a matter of minutes he was employed as wrestling coach, a position he retained until the end of the season when he began seeking steady rather than seasonal employment.

It was about this time that administrative officers at Lehigh University began looking for a trainer for their athletic teams, and upon the recommendation of Pennsylvania's director, Sheridan was offered the position which he accepted with alacrity, and in June 1911 he came to the campus on South Mountain.

Sheridan served as trainer for several months, and then became interested in the destiny of Lehigh's struggling wrestling team. The sport, still

in its infancy, had been started in 1910 through the efforts of James Carvil Gorman, an undergraduate enthusiast, and was barely holding its own when Sheridan took over, and started a coaching regime which has brought him and the University the respect and admiration of the sporting world.

To discover where Lehigh's coach gained his vast knowledge of, and his enthusiasm for wrestling, it is necessary to turn the pages of time back to June 6, 1885. For it was on this day that William Sheridan was born just four miles from the great fishing country of Loch Lomond, and it was in this, the most picturesque of Scottish countryside, that young Sheridan was raised. But at the age of 15 he chanced to witness a professional wrestling bout between a traveling troupe of grapplers, and was so impressed with the exhibition that he immediately decided to become a great wrestler.

THAT his desire was not just the idle dream of youth is evidenced by the fact that for the next three years he wrestled at all Highland gatherings, and finally at the age of 18 he achieved his greatest thrill when he won the 126 pound championship of Scotland by throwing nine opponents on the average of two minutes and five seconds per bout. For seven successive years he retained the featherweight and lightweight championships of Scotland, and then garnered new laurels by winning the championship of the British Isles. Wrestling eight or nine times a week Sheridan never lost a bout, and at the time of his retirement from British competition he had won 74 open tournaments.

Then in 1908 he was seized with a wunderlust, and promptly embarked for Canada, where, within six weeks, he won the professional championship of Ontario. Not liking the climate Sheridan decided to seek his fortune in the States, and on New Year's eve 1910 he arrived in Philadelphia, and soon became involved in the thread of fate which led directly to Lehigh University and its infant wrestling team.

Two years later Lehigh was invited to join the Eastern Intercollegiate Association which had been founded in 1905, and in their first tournament Sheridan's proteges gained two individual titles when Bob Suppes, a freshman who later left college, won the

115 pound crown, and Bob Watson came through in the 178 pound division.

During the next thirteen years Lehigh was a constant threat for the team title, but it was not until 1927 that the Brown and White broke into national prominence by sharing the Eastern honors with Yale. The following year, with a veteran team, Lehigh easily won the championship, and then continued to dominate Eastern wrestling for the next fifteen years by winning the diadem ten times. Up until 1943, when Selective Service wrecked a really great team, the Brown and White never finished lower than third place in the tourney.

SINCE Billy Sheridan took over the coaching assignment, Lehigh's wrestling teams have won 159 dual meets from some of the best teams in the nation, lost 67, and tied 6. Brown and White wrestlers have won 46 Eastern Intercollegiate championships, and five national Intercollegiate crowns. Included among the latter are Johnny Engel, 118 pounds; Ben Bishop, 145 pounds; Harold Masem, 145 pounds; Henry Matthes, 165 pounds, and Howell Scobey, heavyweight. Five N. A. A. U. championships were also won during these years by some of Sheridan's men who competed under the colors of the New York Athletic club. These national winners were George Shoemaker, 112 pounds; Harold Phillips, 112 pounds; Jimmy Reed, 125 pounds; Ziggy Letowt, 135 pounds, and Ben Bishop, 145 pounds.

This then is the record of Billy Sheridan's thirty-three years at Lehigh. He has worked hard to achieve this success, but the years have been kind, and with the exception of graying hair he differs little from the young man who sailed so proudly from Scotland more than a quarter of a century ago. Today as he sits in his Taylor gymnasium office with smoke from his battered old briar curling lazily toward the ceiling he often dreams of the past, of the hundreds of youngsters who, under his guiding hand, have been molded into men ready to take their place in the world. He is proud of all of them, and Lehigh men everywhere are proud of him and know that as the years pass his fame and that of Lehigh's wrestling team will continue to grow.

A tribute to William Sheridan, who thirty-three years ago took over Lehigh's struggling wrestling team and developed it into one of the best in inter-collegiate ranks. This article will give alumni readers the background story of the genial Scot who today is one of the outstanding coaches in the country

This picture of Sheridan and his trophies was taken before he came to America





Marine Lt. Alexander D. Beattie, '45, was recently commissioned in Texas

A Marine Corps pilot Lt. Robert C. Kleinknecht is now at Corpus Christi



Lieut. Henry G. Holler, '34, who has recently been transferred from a Georgia Army camp to combat troops in the Southwest Pacific theatre

MEMBERS of Alabama's famed original 160th Observation Squadron, now officers in the Army Air Corps, came from all parts of the country last month to pay posthumous tribute to Colonel Walter Sumpter Smith, '17, founder and commander of the Birmingham National Guard air units who disappeared last January during a secret flight over the Caribbean sea.

Tears slid down the bronzed cheeks of hardened airmen as the late Colonel's wife, who still believes he will return, calmly accepted the Distinguished Service Medal awarded to her husband by a grateful

Commended for his outstanding work as medical officer on the U.S.S. Savannah Commander C. R. Flory, '20, saw plenty of action on Atlantic



nation in recognition of his outstanding work as Chief of the Transport and Facilities Division, Directorate of Air Support, Headquarters of the Army Air forces. In making the presentation Brig. Gen. A. B. McDaniel, representing the President of the United States, read the official citation which follows: "He was charged with the responsibility of preparing a construction program for more than ninety Air Support bases in the vicinity of all Army Ground force installations of over 10,000 troops, and the coordination of all activities concerned in their construction.

"By his untiring efforts, excellent judgement and comprehensive knowledge, these bases were completed in record time. Colonel Smith supervised the activation, organization and development of the 1 Troop Carrier Command, which is today one of the most efficient weapons within the Army Air forces. His example, his ability, leadership, resourcefulness, persistence, and unwavering devotion to duty, were all in the highest tradition of the Army Air Forces of the United States."

Also commended for his outstanding work with the armed forces Commander C. R. Flory, '20, has returned to this country after a lengthy tour of duty as an officer on the U. S. cruiser Savannah. In describing some of his experiences alumnus Flory writes: "In May 1942 I was assigned to the cruiser Savannah as Senior Surgeon and Medical officer, and was the first reservist to be given this type of assignment. Our ship participated in the North West African invasion last November, and engaged the enemy in a three day battle before capitulation. On January 8, 1943, I became Senior Surgeon of Cruiser Division 2 operating in the South Atlantic where we intercepted German blockade runners. We captured one large ship loaded with strategic war material from Singapore. The crew succeeded in scuttling the ship, but all were taken prisoner. However, we lost ten men in the engagement.

"In the invasions of Sicily and the



(Above) Cpl. Joseph J. Ryan, '46, medical man with the paratroopers, has completed his training. (Below) Lt. Samuel A. McCaulley, Jr., '39, is busy flying blimps at Lakehurst Naval Air Station



Hero of numerous Pacific air battles
Lt. Colonel William A. Sheppard, '38,
is now a test pilot at Eglin Field, Fla.



(Left) Posthumous tribute has been paid to Col. Walter S. Smith, '17, who disappeared during a Caribbean flight. (Right) Cadet Ralph J. Fittipaldi, '44, prepares for a training flight at Waco, Texas, airfield



Italian mainland I was ranking Senior Surgeon of the U. S. Navy Cruiser-Destroyer and Support forces. Late in the evening of the second day of the Sicilian invasion 58 Army wounded, fresh from the field of battle were evacuated aboard this ship, and the necessary surgical care rendered. Although some were very severely wounded, all were alive when delivered to a North African Army base hospital several days later. For this



A Lt. (j.g.) in the U.S.N.R. Samuel T. Hartleman, Jr., '33, has been transferred to the Republic Rubber Division

I was recommended for citation by the Commander in Chief of the U. S. Navy. In the invasion of Italy in September the Savannah was heavily engaged after helping to pave the way for the amphibious force landings. An enemy bomb hit the ship causing severe damage and resulting in many casualties.

"During my spare time I engaged in a hobby when I directed the 35 piece Volunteer band of the ship. Some of the finest musical talent in the Navy was assembled, and our concerts were enjoyed in South America by the wounded doughboys in U. S. Army hospitals in North Africa, the native Arabs, the French, and wherever service personnel gathered. Often times the instruments during an invasion campaign and battles were not seen for over a month. The band was abruptly disbanded following the transfer of our Commanding Officer subsequent to enemy action when 10 leading members of the band lost their lives.

"After two years of sea duty, I am back where I started in Philadelphia. The enemy is tough and the road to victory is not as easy as many are led to believe. After many assaults from the air, on the sea, and under the sea, we are in a position to do less wishful thinking and gird our loins for more severe combat in the Atlantic and Pacific areas. The price of continued progress on the fighting fronts is the greater sacrifice of lives as we approach the heart of the enemy bastions."

ANOTHER veteran of Naval warfare Lieut. Carl F. Hull, '32, was an officer on board the Liscome Bay when the baby flat top went down 20 miles southwest of Makin Island in the Central Pacific early on the morning of November 24. Home from the sea for the holiday season Lt. Hull has now gone to Florida where he will await further assignment.

In discussing the end of the Liscome Bay Lt. Hull says: "It was rotten luck. The Jap sub that got her just had a lucky break. I'm certain of it. The first torpedo struck only a few minutes after we had swung around, altering our course. If we'd remained on the earlier course, the Jap would have missed us by a mile. He fired at the concentration of ships, and the Liscome Bay happened to get in the way just then.

"An anti aircraft gunner on the starboard side was the only man to see the first torpedo coming, and he passed the word over the communication system. No one saw the sub. The first fish hit the carrier amidships, a few yards from the island bridge. The second tore into a magazine astern, blowing the after part of the ship apart. Men on other ships have told me the flames could be seen 20 miles. It was pitch black but the flames lit up the sky as they shot 4,000 feet into the air."

Lt. Hull was in the air plot room, near the ready room, standing at a charting table when the first torpedo hit. The concussion blew out the bulkhead behind the table, and the table shot across the room knocking him down. "I got to my feet, put my hands to my head and was surprised to find it was still there," Lt. Hull recalled, "Then the second torpedo hit aft, and I had to hold to the deck above to stay on my feet."

Fire swept the Liscome Bay with a spontaneity which seemed as if a giant

hand had touched a match to a huge alcohol lamp. The officers and men in the plot room rushed into the passageway, pried open doors jammed shut by the blasts and engaged on the catwalk below and to the sides of the flight deck.

Lt. Hull continued by saying: I thought a Jap torpedo plane had hit the deck, and I wanted to see what damage had been done. I reached my hands up to the flight deck to pull myself on to it, but the tar was afire and I got burned a little. No Jap plane was there, of course. Some of ours were—gassed up and loaded with ammunition ready to take off. They were burning, and popping like the Fourth of July. You could see the ship was gone. The communications was knocked out and so was the water system. We might have licked the fire if it hadn't been for that. No word came to abandon ship, so each officer used his judgement ordering the men off.



Guy Marvin Fenstermacher, '28, is a Red Cross Field Director stationed in the British Isles with the allied troops

THE force of the explosion had loosened the escape lines from the cat walk rail and they shot over the side automatically. Men who had been on the catwalk were either killed or blown overboard. The lifeboats went overboard, too. I went down an escape line, but I hadn't taken off my buckled shoes because I thought it would be easier on my feet in case I hit anything going into the water. It was the wrong thing to do, because they weighed me

(Continued on page sixteen)

EDUCATION in America has had remarkable power any strength. It has been basic in the development of American democracy. The reason for this has been its freedom from political interference and from the paralyzing effects of governmental bureaucracy. American education has been free to think, free to research, free to teach the truth and follow without fear the implications of truth. Within its framework genius, courageous thought, inventiveness, ingenuity, and vision have all been able to operate as never before in educational history.

This freedom has been achieved by two devices, both peculiar to America. The first is our constitution by which the control of education is vested in the several states instead of the federal government. This remarkable provision was the result of amazing foresight or sheer luck. It has achieved a great purpose. While political interference is possible in the education of any state or in several states, there is always the modifying influence of the other states who may not at that moment be ailing with totalitarian tendencies. There is also the limitation of powers imposed by the federal government. Finally, there is in the state a closeness to the people which discourages absolutism. Taken all in all the control of public education by the states has saved American education from the political corruption, interference, and paralysis that federal control has meant in other nations.

The second device protecting American education was the early establishment of colleges and universities which kept themselves free from the support of state or federal funds. They seemed to sense from the beginning that support by the state meant ultimate control by the state, appointment of faculty by politicians, interference in the teaching, and disruption of the academic standards.

Along with this great system of independent colleges and universities there grew up another group of state-supported universities. With their vast funds and never failing source of annual support, these state universities were able to render service which might forever have been impossible to the privately supported institutions. But for us the significant fact is that the standard of freedom from political interference and domination had been set by the independent colleges and was being sustained by them. Therefore the state universities were able to insist to a very large degree on these accepted American standards and resist encroachment by their own political supporters. This is the miracle of American higher education, that due to the standards of the independent colleges, the state supported institutions have been able to reverse history and withstand the interference of the state. Thus we have the inspiring picture of the state institutions of America free and independent and actually protected in their standards of academic integrity by a powerful group of independent colleges who are free and willing to guard them and shame the state from interference which otherwise would be inevitable.

Now in the exigencies of war we find both of these great devices of American education threatened. State control is threatened by the constantly increasing "contributions" being made by the federal government for the support of local education. Some bills have passed and some are under consideration which would pour millions, perhaps, billions of federal funds into the support of state edu-

Education's Problem

by

R. C. HUTCHISON

*President, Washington & Jefferson College,
Lafayette, '18*



Believing that a number of subjects of pertinent interest to the alumni of the independent colleges merit wide attention and support, the editors of the alumni magazines of Lehigh and Lafayette are publishing in both magazines this article on the federal subsidization of the privately endowed university

tion, of school districts, and of local governmental units. There is but one end to this, the end of state control of public education.

THE corresponding threat to the independence of colleges and universities is not deliberate, but none-the-less ominous. Due to the urgent needs involved in this war, the independent colleges have turned to the war task and are supported by the Army or Navy, wholly or in large part. The Army and Navy have no desire to control these institutions. They simply want the job done and the war won, but the by-product is nothing less than federal support of the heretofore independent institutions. When the war is over, there will be a program, already announced, whereby the demobilization will require a continuance of federal funds in the college. And after that, there will be something else? Probably a depression which will require another outpouring of federal funds to these same colleges.

The danger is that the colleges will like it. They will hesitate to return to their own support through gifts. If the government continues its present policy of confiscating private wealth and possessions there may be no private support possible. The colleges may then prefer the federal flesh pots. We know that the political forces will like it. In the democratic and popular government patronage is essential and fundamental. Wherever the government can spread the activities that patronage is increased. These political forces are always ready and eager to support anything, especially anything employing and benefiting a vast number of doting humans. Education, therefore, can have and will have all if the federal aid which it will accept. In brief, the colleges and universities need never go back to private support.

This then is the problem ahead. Practically all of the great colleges and universities of America, heretofore independent, are now supported by the federal government. This is right. But will they go back on their own? When the emergency has been met, and the exigency passed, will Lehigh, Lafayette, and Washington and Jefferson have the courage and vision to go back, pay their own way, and hold high the standard of academic freedom?

A Great Career Reaches its End

AMONG the oldest and most distinguished of all Lehigh alumni octogenarian Curtis Hussey Veeder, '86, died December 27 in the Hartford, Conn., hospital. Founder and director of the Veeder-Root Company, Inc., holder of ninety-five United States patents, and seventy-four foreign patents his entire career illustrated the triumph of American ingenuity and initiative.

The story of his inventions from his childhood experiments with water wheels, lathes, fusible metals and a small steam engine, through his construction of one of the first American built bicycles, down to electric locomotives, speedometers, and centrifugal tachometers is one of the most fascinating in the realm of modern day engineering.

Guided by a driving urge to find the truth, and inspired by a truly great scientific spirit, Curtis Veeder never confined his great ability to one field. As a youth of 18 he patented and sold a high-wheel bicycle, and thus encouraged he went on to patent and perfect tricycles and tricycle two speed gears. Following experiments with electrical apparatus he designed an electrical hoist and an electromagnetic clutch, an automatic regulating apparatus for naval searchlights, air pumps and air pump regulators, mining locomotives, and the first electric locomotives used in regular service, motors and cars for high-speed electric railroads, hydraulic plants, electric generators, and the first cyclometers manufactured in this country. — These are only a few of the

many inventions perfected by this distinguished alumnus in the space of six decades.

The Veeder Manufacturing Company, was organized in August 1895 with Mr. Veeder as president. But the business soon outgrew its original quarters in the Hartford Courant building, and in 1897 a new building was erected. But this too was inadequate and in 1903 the

company erected an office building of solid concrete. In 1911 a fire-proof addition to the old factory was built, and the original structure reconstructed so that the entire plant was made incombustible.

Mr. Veeder remained as president of the company until 1928

when he sold his interest to Veeder-Root Incorporated, which was organized to take over the business. However, he remained as a Director of the Company until his death.

But notwithstanding his inventive genius, Curtis Veeder was a well-rounded individual who enjoyed life to its utmost. A true lover of nature, he was fond of outdoor life, and was a keen student of wildlife. His favorite recreation was walking and often he could be seen rambling along the beautiful Connecticut roads.

His death at the age of 81 ended the long and fruitful career of a man who was recognized as one of the greatest inventive geniuses of our time. His passing will be mourned by many, but his work will continue to benefit the country he loved so well. . . . A truly fitting memorial.



CURTIS H. VEEDER. '86
"A long and fruitful career"

Following the Alumni Clubs



Members of the Philadelphia Lehigh Club listen attentively as Secretary Moriz Bernstein, '96, presents his annual report

Washington Lehigh Club

One of the largest and most successful meetings to be held by the Washington Lehigh Club in recent years was held on the evening of Friday, January 21, at the Sapphire room of the Mayflower Hotel.

A total of 110 Lehigh men and guests, attracted by the promise of one of the Mayflower's famous oyster roasts and an unusually interesting program, first turned to the order of business by electing officers, naming Eugene C. Gott, jr., '21, to succeed Fred C. Macarow, '20, as president and Samuel Scrivener, '26, to succeed Donald M. Wight, '20, as secretary-treasurer. Credit for the successful meeting was given to an active committee headed by Ralph Barnard, '89.

The surprise speaker of the evening was Howard Bailey, news correspondent for the Washington Evening Star and radio commentator who gave an excellent and "off the record" survey of the allied success in the war effort to date. Displaying an interesting and intimate knowledge of strategy, Mr. Bailey mapped the course of the current campaigns and remained to answer questions from the floor.

An honoured guest of P. G. Spilsbury, '05, His Excellency Rodolfo Michels (Hon. '43), was prevailed upon by President Macarow to address the Lehigh men and gave a glowing tribute to Lehigh's reputation not only throughout this country but in the world at large.

E. Kenneth Smiley, director of admissions at the University and currently director of housing and commissary for the Army Student Training Program, gave club members a picture of revered "oldtimers" on the campus and ended with a graphic story of Lehigh's position in the present educational picture. The meeting was concluded with several reels of motion pictures just released by the War Department, covering actual battle scenes filmed in recent air, naval and land operations.

Philadelphia Lehigh Club

The crowd was small, but the enthusiasm was great as members of the Philadelphia Lehigh Club met January 28 at the Bellevue-Stratford Hotel to celebrate the fifty-first anniversary of the founding of one of the most active of all Lehigh Alumni groups.

Lack of the usual large attendance was attributed to the number of members in the armed service, and to wartime demands upon others who are affiliated with industry, but those men who did attend thoroughly enjoyed the meeting which featured talks by Dr. C. C. Williams, president of the University, and E. Kenneth Smiley, Director of Admissions at the University.

Both Dr. Williams, and Mr. Smiley reviewed current happenings on the campus, urged greater alumni interest, and explained in detail the Army Specialized Training Program which is now in effect on South Mountain.

A humorous note was injected into the program by Johnny Williams, a friend of Lehigh, and a member of Philadelphia's famed Orpheus Club, who told many humorous stories of contemporary American life.

Officers elected for 1944 include T. H. Conley, '24, president; T. H. Lueders, '06, first vice-president; S. L. Huyette, '26, second vice-president, and Moriz Bernstein, '96, secretary and treasurer.

The latter, who is starting his forty-second term, presented his annual re-



Clement C. Williams, president of the University, gives members of Philadelphia Lehigh Club background story of recent campus problems

lebrating the fifty-first anniversary of the Philadelphia Lehigh Club some of the alumni live their undergraduate days as they join in singing the "Old Silver Goblet"



Members of the class of 1913 who held an informal reunion at New York meeting were Alfred L. O'Brien, Jesse F. Beers, Donald F. Wallace, and Chas. R. Wylie



ports and stated that 283 meetings of the club have been held since its founding in 1893. Of those who attended that first meeting Sam Berger, '89, and Walter Rensch, '91, were present at the anniversary dinner.

Secretary Bernstein further reported that the Club's Inter-Academic Football trophy had been won permanently by the Episcopal Academy, and that another trophy has been purchased, and henceforth will be known as the "Walter R. Okeson cup presented by the Lehigh University Club of Philadelphia." The name of the trophy was officially changed so that the club could do honor to one of Lehigh's greatest alumni, the late Walter R. Okeson, who loved the game of football so well. Any school participating in Philadelphia's Inter Academic Football Association, can gain permanent possession of the trophy by winning it three times.

The committee in charge of the anniversary dinner was comprised of: P. F. Minster, '24, Moriz Bernstein, '96, T. H. Leuders, '06, J. J. Shipherd, '21, E. J. Garra, '25, S. L. Huyette, '26, T. G. Conley, '24, C. F. Lincoln, '11, W.



At the speakers table during the Philadelphia meeting were P. F. Minster, '24, toastmaster; Dr. C. C. Williams, T. G. Conley, '24, president, and E. K. Smiley

This picture shows some of the 85 Lehigh men who enjoyed the recent meeting of New York Lehigh group

Service men attending the New York dinner included: Lieut. Commander J. H. LeVan, '26, Lt. R. B. Patterson, a guest, Lt. H. O. Schroeder, '42, Lt. J. W. Bullard, Jr., '36, Capt. W. G. Dukrek, '38. Seated: Lt. Commander J. B. Walker, '25, Lt. E. S. Hamilton, '41, and Lt. S. R. Walker, '41.



C. Major, '24, J. H. Hunter, '26, and R. Farnham, '36.

New York Lehigh Club

The winter meeting of the New York Lehigh Club held January 27 at the Yale Club found eighty-five members attending the dinner which featured an address by E. K. Smiley, Lehigh's popular director of Admissions. Presided over by Fred E. Portz, '17, president, the meeting was one of the most enthusiastic held in recent years.

Speaker Smiley in his talk reviewed the wartime problems now confronting the administration on the campus, and then told of the activities of the older men on South Mountain who during the years have become a tradition to

Lehigh men everywhere. He concluded by urging all alumni to keep faith with their university, and predicted that with the necessary support Lehigh would be able to surmount the wartime difficulties of curtailed enrollment, and reduced income.

Prior to the address by Mr. Smiley, the club held a short business meeting during which a five man executive committee was appointed to handle the affairs of the club until a future meeting when proposed changes in the constitution will be discussed. Members of this committee are: William McKinley, '19, Lewis D. Rights, '93, Richard J. Buck, '24, Theophil H. Mueller, '14, and Linwood H. Geyer, '15.

Lehigh Home Club

E. Kenneth Smiley, director of admissions, will be the guest speaker at a luncheon meeting of the Lehigh Home club to be held March 6, at 12.15 p.m. in the University Room of the Hotel Bethlehem.

President J. K. Conneen, '30, will be in charge of the meeting which will be the first of a series of monthly luncheons to be held by the Home Club. In announcing the March 6 meeting President Conneen declared that all alumni are invited to attend and that reasonably priced meals will be served. All of these noon meetings will definitely end by 1.15 p.m. to enable the men to return to their offices.

The Service Men *(Continued from page ten)*

down, and were so thick with oil I couldn't get them off. There was plenty of oil on the water, and I had always thought I was a good swimmer until then. It was almost impossible to move. I had gone over on the port side, and there was little fire on the water, but the water was warm from the heat of the ship, and what oil there was burned.

"A lot of the men went over the starboard side, which had been hit. They kept drifting toward the flaming oil, and the ship kept drifting toward them, because they were to leeward. I was off the ship ten minutes after she was hit, and she went down eight minutes later."

Lt. Hull was in the water an hour and a quarter, and from out of the sea into which the Liscome Bay had sunk came rumblings and explosions as depth charges exploded in her magazines. When Lt. Hull attempted to float in order to rest himself waves would smack the back of his head, cascade over his head, and pour salt water and oil down his throat. There were men all about him struggling and calling to each other in the water. Many of the wounded had been gotten off and were being held up or floated on wreckage by their shipmates. At length the Liscome Bay's screening destroyer's, which had been scattered with the other ships at the blast, began zig zagging back to the scene.

LOSING the Liscome Bay was a greater blow to her crew because she had accomplished her task. Re-

maining in her position behind the invading fleet, she had sent out her planes to keep the air clear and sweep the seas around Makin. The island had been taken, and the carrier was ready to head homeward when the torpedo struck. Lost with her was Rear Admiral Henry Mulinix, commanding the carrier division, and the Liscome Bay's skipper Capt. Irving D. Wiltsie.

From the European skies this month comes a "bird's eye" account of the flying feats performed by Lt. Anthony Carcione, '41 and his mates who on one mission knocked down 15 Jerries, chalked up a probable, and damaged an additional German plane for a new squadron record in the ETO. Flying a Thunderbolt Lt. Carcione, who had already downed two Me. 109's, describes his third "kill" as follows: "I was flying No. 3. My wingman had aborted, leaving me on the tail of a three-men flight. We made rendezvous with the bombers about 15 miles from the target, and we were at 33,000 feet when we spotted some twin engine enemy planes approaching the bombers. They were identified as Me. 210's and 110's, and then I saw a Me. 210 all by itself and dove to the attack.

HE did a tight climbing turn to the right, and I followed him, but had to make a much wider turn to keep from a high speed stall. I closed in on him from the rear and below to the right. I opened fire at approximately 350 yards and closed to about 250 when the tail gunner in the enemy plane opened fire on me. I got a few

strikes and he flipped over on his back and headed down in a 30 degree dive. I kept firing while he was rolling, and maintained the fire until I was within 100 yards of him. His engines started smoking, and the tail gunner ceased firing. I believe I killed him as no parachute was seen. I had fired all my ammunition, and flew right past him. The last I saw of the enemy plane he was going down in a gradual dive with both engines on fire and smoking like a chimney."

Another birdman who has made an enviable record against the enemy Lt. William C. Foster, '43, claims that the Japanese possess good fighting planes, but that their pilots lack initiative and imagination. Leaving college prior to graduation Lt. Foster, leading squadron bombardier, has completed 54 hazardous missions in the Southwest Pacific, and now holds three Distinguished Flying Crosses and an Army Air Medal with three gold Oak Leaf clusters.

During sorties aboard the Liberator "Eager Beaver" Lt. Foster has dropped bombs in Kula, Maru, Buka Island, Vela, Kahill, and other strategic enemy strongholds. In describing the softening up process on Bougainville last July Lt. Foster had nothing but praise for the "Eager Beaver." She was in there pitching all the time," he said. "Even when 70 or 80 Jap fighters came up to intercept our squadron. Before it was over we got 24 of those nips, and the "Eager Beaver" crew got seven. In other raids our crew made sure that at least 25 Jap planes would never fly again."

The Sports Parade

Undefeated in fifteen successive meets Lehigh's wrestlers prepare for the Eastern Intercollegiate tourney to be held next month on the campus while the oft-defeated basketball team points with pride to the outstanding scoring record of diminutive Captain Frank Majczan.



Frank Majczan, high scoring ace of the Lehigh basketball team, is seen as he steals the ball from a Lafayette man and dribbles in for a score

IN pre-war days star studded Lehigh wrestling teams always ranked among the country's best and seldom failed to compile awe inspiring records against top-ranking opponents. This year, despite a complete dearth of veteran talent, the team is again creating havoc in intercollegiate ranks, and is certain to be a prominent factor in the title bouts when the Easterner's are here next month in Grace Hall.

True, Lehigh, with an all-civilian team, will have little chance to win the team title against such Navy packed outfits as Penn, Princeton, Cornell, and Annapolis, but Brown and White cohorts can rest assured in the knowledge that Sheridan's boys will make up in fight what they lack in experience, and that the team won't be too far behind when the final tabulation is made.

In dual competition the Engineers successfully defeated Brooklyn Poly, Swarthmore, and Muhlenberg, but in the fourth meet with Princeton's Tigers the team ran into a snag and was forced to share the honors when the meet ended in a 16-16 deadlock.

Each team won four bouts, and when the heavyweights came on the mat for the curtain closer, Lehigh held a 16-11 advantage. But Nat Stevens, burly Tiger heavy, made short work of aggressive but inexperienced Vincent Bell, and in 2.07 the Lehigh grappler was flat on his back. This victory gave Princeton the necessary points to deadlock the meet.

From the outset it was apparent that Princeton's all-Navy combine would be tough, and in the opening bout Julian Kennedy, Lehigh's 121-pound representative was tossed by Navy man Bob McKeeley in 2.42. Dick Forshay put Lehigh back in the running when he scored a 6-0 decision in the 128 pound class, but the Tigers increased their lead by winning the 136 pound bout. Sensational Connie Lindholm brought Lehigh within two points of the Orange when he decisioned Al Valentine 8-2 in the 145 pound bout, and then Capt. Ted. Neiwenhaus sent his mates out in front when he used a body press to pin Hugh Douglas in 4.16 of a very fast bout.

Lehigh's lead was further increased

in the 165 pound encounter when Bill Bernard surprised by pinning Barney Edwards in 4.05. This was a good bout up until the time Edwards succumbed to a bar and nelson applied by Bernard. Freshman Joe Donahue was no match for Princeton's John Boyd and dropped a 6-0 decision, in the 175 pound division. Team score at this point stood at 16-11, but then Stevens tossed Bell, and both teams had to be content with a tie.

Their record of fifteen successive meets without a defeat still unmarred by the Princeton deadlock, the team traveled to Ithaca the following week and added the Big Red of Cornell to their string by registering a 14-12 victory. Sharing equally in the number of bouts won, the teams might have finished in a stalemate if Connie Lindholm had not thrown his opponent in the 145 pound class to provide the margin of victory. Lindholm, who has shown surprising ability all season, had little difficulty in taking Bishop, Cornell's varsity hold over, to the mat, and quickly piled up a 9-2 advantage. However, the agile Bishop

managed to keep his shoulders clear of the mat until the last two seconds when Lindholm secured a far arm hold to gain the fall. This was the only fall of the meet and ultimately spelled victory for Lehigh.

With Forshay, Morrison, and Lindholm winning their matches Lehigh held a 11-3 lead when Capt. Niewenhau appeared for his 155 pound bout with Cornell's Larock. Suffering from a shoulder separation sustained in practice, Niewenhau refused to forfeit his bout because such action would have given the Big Red five valuable points. However, Lehigh's injured leader was forced to bow for the first time this season, and Larock gained a close 3-2 verdict. Despite Niewenhau's injury this was one of the best bouts of the evening.

Cornell kept the issue in doubt right up to the end, and needed only a fall in the heavyweight encounter to gain a tie. This seemed almost a certainty when Steel, veteran Cornellian, faced 175 pound John Donahue in the closing bout, but the latter who starred on the gridiron last fall, refused to be thrown, and although he lost a 8-2 decision, he thwarted Cornell's hopes for a stalemate.

Basketball

With only seven men on the varsity squad the cagers have been pushed around the court this season by such teams as Bucknell's fast shooting Bisons, Muhlenberg's All-Navy five, Franklin and Marshall, and Lafayette, but the boys are far from discouraged. They have shown improvement in each game, and finally tasted the fruits of victory when they came from behind to defeat the Flying Dutchmen of Lebanon Valley.

Defeated in six of the seven games played thus far this season, the Brown and White continues to receive plenty of newspaper space because of the uncanny goal shooting ability of diminutive Frank Majczan. An all-around athlete, Majczan, who came to the University via Bethlehem High school and Moravian College, has been high scorer in every game played to date, and has been rated by all opponents as one of the best players they have met on the hardwoods this season. Handicapped by a trick knee, Lehigh's new-

A Scholarship Fund



WARREN W. YORK. '24

Needy and worthy graduates of secondary schools in Allentown, Penna., who enroll in Lehigh's College of Business Administration will be aided in the future by a \$5,000 scholarship fund established last month by Warren W. York, '24, in memory of his father the late Samuel Foster York, prominent Allentown investment man.

In contributing the \$5,000 to the endowment fund alumnus York expressed the desire that the entire income be used annually to help defray the educational expenses of an Allentown boy enrolled in the Business College of the University.

est court sensation is certain to rank with Bob Many and Bill Binder as one of the greatest players in Brown and White court history.

Evidence of Majczan's cage ability was seen in the second game with Bucknell. In the first encounter the Bisons trounced Prendergast's charges 54-27 to maintain an undefeated stride which had placed them among the leaders in the east. Majczan with 11 points had been the spearhead of Lehigh's rather feeble attack in the

first game, and in the second contest, expecting another easy conquest, the Bisons gave most of their attention to the Lehigh star. But the Engineers, smarting under the previous defeat, fought desperately before bowing 47-35. Handicapped by lack of reserves, Lehigh stayed on even terms the first half, faded badly in the third period, and in the fourth, paced by Majczan, came roaring back in a game but futile attempt to close the gap. As usual Majczan was high scorer with seven baskets and three foul shots for a total of 17 points.

ENCOURAGED by their showing against the top ranking Bisons, Lehigh's basketeers journeyed to Annville the following night, and scored the season's first victory by defeating Lebanon Valley College 52-38. Each of the six players who wore the Brown and White scored at least four points, but it was Majczan with 13 field goals, and two foul shots who led the way with a total of 28 points to his credit.

Early in the game when the Flying Dutchmen jumped into a 14-1 it seemed as though Lehigh was headed for its sixth successive defeat, but superior ball handling by the Brown and White, and the Annie Oakley shooting of Majczan narrowed the margin, and the Engineers soon took the lead which they never relinquished.

But the taste of victory did not linger long because a few nights later the team dropped a hard-fought 46-44 decision to Lafayette. One of the best games played on the hardwood of Grace Hall this year, the contest opened with Lehigh taking the lead, and holding it until the end of the third period when the score read 39-36. In the fourth period the score was knotted once at 40-all, but Lehigh again assumed the upper hand and retained it until the final minute of play when Skvorez of Lafayette sank a field goal to give his team a one point lead, and then when a foul was called against the Engineers the same Skvorez converted to send Lafayette out in front 46-44. Majczan again led both teams in scoring with 17 points, but he was closely guarded all night and missed several shots which he otherwise might have made.



Good service from reamers

Information supplied by an Industrial Publication

There are two operational factors that have more to do with the life and efficiency of reamers than may be generally known. One is the matter of feeds and speeds; the other, the condition of the hole.

As to the former—with due regard to machine set-up, required finish, and part design—in general, reamer speeds should be from 60 to 70% of drilling speeds, and feeds should be two to three times faster.

The amount of stock left in the hole has con-

siderable effect on reamer life. If there is insufficient stock, the reamer will tend to bind instead of cutting. This is also true with bell mouthed holes, caused by faulty drilling, or drilling without a guide bushing.

For efficient reaming in ferrous metals $1/64$ inch of stock should be left on holes up to $1/2$ inch diameter, and $1/32$ inch left in holes of greater diameter. A smaller amount of stock may be left in softer metals. The correct amount in individual cases can be determined by experiment.

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FOLLOWING THE *Lives* OF LEHIGH MEN

Class of 1889

GEORGE W. HARRIS

12 Holland Terrace, Montclair, N.J.

In a sense, it might seem rather incongruous in a Yuletide season when we are exchanging greetings of "Peace on earth, good will toward men," and at the same time to be favoring the waging of a bitter war. However, perhaps not quite so inharmonious when we consider that we are fighting for a lasting peace this time and looking forward to a time of good will toward all men—who deserve it.

Among the 29 living '89ers there are some who are taking a prominent part in affairs of special importance. And it's always a pleasure to spread such news on the class record in the Bulletin so that all who will may read. Among those who are most successfully helping to keep the wheels of essential industries turning, is **John J. Lincoln** (the Colonel) at the head of large coal interests in West Virginia—a man who has been in coal for half a century. There are many difficulties to be met with in mining coal at all times but of late there are unusual handicaps to mining a large tonnage. Many good miners have been drafted for the Armed Services leaving an insufficient force at the mines. Also lack of proper governmental support is a most serious matter to operators in handling labor. A well known coal operator covered the present confused situation as follows: "We hardly know whether we are really still trying to produce coal or having a continuing debating society." The subject of coal looms large in the public eye and any interruption to its production stirs patriotic resentment to the Nth degree and greatly arouses the ire of all depending on fuel.

Another classmate, **Emil Diebitsch**, was recently appointed Chairman of the Citizens Advisory Group to the Nutley Town Planning Board. He is now forming his committees to investigate plaus for essential Nutley improvements, most timely when peace comes to give employment to the many who will be looking for work. When Diebitsch was Mayor of Nutley he became thoroughly conversant with the town's requirements and thus is a very logical selection for the post in question.

No doubt but what other '89ers are also up and doing but temporarily they

seem to be "hiding their light under a bushel"—at least from your correspondent.

The "grim reaper" has taken another classmate. Joseph Bodine Wright passed on October 13 of this year, at his residence in Buck Hill Falls in the Poconos of Pennsylvania. He is survived by his wife and seven children. In April of 1941 Wright wrote in his own handwriting "I cannot see very much," living in darkness the rest of his life. Fortunately Wright and his wife were able to be present at our Class 50th reunion.

Class of 1890

HOWARD A. FOERING

Bethlehem Trust Bldg., Bethlehem, Pa.

Mike Sohon and his family are gathering violet rays at St. Petersburg, Fla. The exact spot is 424 Second Avenue, North.

C. A. P. Turner never forgets to send us Christmas greetings. He is anchored at Columbus, Ohio.

Perkins passed on October 27th last. Another faithful, loyal, '90 man lost to us, and we shall miss him, and never fail to revere his memory.

We have no difficulty whatever keeping up with our class correspondence. Besides it is very extravagant,—don't think it exceeded three cents in December. We say this to assure you '90 men that we are not overworked with it. So that if any of you wish to disclose any gossip (fit for publication) about any other '90 man, let it roll along.

Class of 1891

WALTON FORSTALL

The Seacrest, Delray Beach, Fla.

A pleasant letter from **Kemmerling** tells that he is in good shape physically and it was gladly received, even though some information requested was not forthcoming.

This column has probably become one of the writer's bad habits, for he exhibits every issue, even if the show window has few or any items. However, after him follow our two most celebrated exhibitors, the columnists of '96 and '97 and may they live a long time to spin much out of little and make gentle gibes at each other.

Just now, the local P. O. has decided

not to distribute any Northern newspapers and make the "Yanks" read the Southern variety.

Class of 1893

ROBERT C. H. HECK

51 Adelaide Ave., New Brunswick, N.J.

Your correspondent has been teaching thermodynamics to more than sixty A.S.T.P. boys in the quarter, October-December, so there could be no attendance at A.S.M.E. meetings, with incidental meeting with Knox. But I had a short visit from **Henry Evans** on Dec. 4, just between trains; we had a good talk about present conditions and old times.

A letter received from Mrs. Noble Banks early in November announced the death of her husband on October 30 and gave the following outline of his life:

Noble Calhoun Banks, B.S., born in Charleston, S. C., Sept. 23, 1872. Educated at public schools in Savanna, Ga., and at Lehigh. Graduated in Mining Engineering. Went to Silver City, N. M., for a time, was finally mining engineer for George Westinghouse. In 1909 he became President of Gear Grinding Machine Co. of Detroit, Mich., and was President until his retirement in 1939 on account of ill health. He and his engineers developed the reduction gears used on all our plane engines today, also the Ryeppah Universal Joint, used on all jeeps and tanks. Also he practically developed the four wheel drive. The Co. received the Army and Navy "E" Flag, also just received a gold star to be put on the flag.

He married Effie Stuart of St. Louis. There are two children, Mrs. Mary Banks Macdonald, whose husband C. N. Macdonald is now President of the Co. and Mrs. Retta Banks Charles of Los Angeles. Late residence, 354 Valmonte Del Sur, Palm Springs, Calif.

Class of 1894

GEORGE E. SHEPHERD

2657 Clairmont Ave., Detroit, Mich.

The rejuvenation of '94 would seem to be here. Or is it that the approach of the 50th year of our journeyings forth from Lehigh's ivy-covered walls has stirred memories that warmed our hearts and caused us to think again of those who shared with us those golden days? Whatever the reason there is news of the old timers.

Fletch Hallock headed for Florida early in December, but whether still there at this writing, I know not. His address is "care of Mrs. H. R. Moorhead, 1155 Park Ave., New York City 28." Try it out, fellows, and see what happens.

While it may be true that the evil men do in their lives, live after them, whereas the good is oft interred with their bones, this may not be said of our good friend and classmate, **Herman Schneider**. While his fame as the founder of a new system in technical educa-

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NORTON ABRASIVES

tion has grown steadily with the years following his death, a recent publication has presented a very interesting story of his life and the opposition overcome in his struggle to gain the acceptance of the educational world of his then revolutionary plan.

The book "Ambassador to Industry, The Idea and Life of Herman Schneider" recently published by the Bobbs-Merrill Co., is a 324 page volume by Clyde W. Park. Every '94 man will find enjoyment and profit in reading this story by a colleague who knew him intimately.

And at long last along comes a sprightly letter from "Lil Arthur" Payne, relayed from Hallock to whom it was addressed and failed to make an earlier issue. Here it is:

"Dear Fletcher:

"It was good to see your name as columnist for '94 in the Bulletin. You will have a small audience for only 23 of us take the sheet. Don't let that discourage you. If each of the 22 will write you a letter you will be swamped with news. Let's try it. Here goes mine.

"So you are retired; so am I for the moment, construction being well nigh non-existent. And I find it very pleasant, with plenty of time to garden, read, and do many things promised to myself for years.

"When you mention a couple of times do not forget Hall and Hallock. Billy Hall was a great guy. I should know as we sang together on the Glee Club quartet for four years, to say nothing of Mustard and Cheese. By the way, do you perform on the xylophone to confound your natives as you did at our concerts? You must be getting soft to duck a New Hampshire winter. I spent one winter at Pepperell, Mass., not far from New Ipswich and enjoyed it greatly. And where is your 'Little Flat' in Boston? No doubt it is where the East wind is more trying than just dry cold. Anyway, I enjoyed your poem—some poet!

"Recently Fred Sykes lunched with me. He is in fine shape, looks about the same as when we graduated. Seven years ago I had three months in a hospital as the result of a major abdominal operation. Now I am entirely recovered and no longer the human skeleton. I remember Godwin Ordway would hold me in front of him and then suddenly turn me side on and shout, 'Hey, fellows, where's Payne gone?' He thought that a great joke.

"I've had a grand life. Let's hope we all may meet soon in 'South Bethlehem.' Come on now, the rest of you and give Fletcher a hand.

Sincerely,
Wm. Arthur Payne."

Class of 1896

WILLIAM S. AYARS

269 Leonia Ave., Leonia, N.J.

This is the last day of the Year of Our Lord, 1943, and I have just received the usual hint from the Alumni

Office as to the date on which the column is due for the February issue of the Bulletin, that being the 8th of January. That is a week and a day ahead, but why not DO IT NOW, as the Big Bizness men all tell us? I am just about 99 percent sure that I won't have any more news by the 8th than I have at present. I really have a few bits, sent from the aforesaid office. The first is an address for Jack Sesser, "Source of Information, Postoffice Statement"; and the address is Sesser, J. E., 816 Alhambra Road, Alhambra, California. However, if Jack is about the same as most of his classmates, it won't do any good to write to him; and furthermore, there isn't the slightest chance that any of the said classmates will have the energy to write. However, I am giving the address because I'll use anything even remotely interesting to help fill in the column. I recall having written Jack several years ago, at the same time I wrote many others of this most illiterate of classes, and not even getting one word in reply from any of them. It appears that senile dementia started in early on the Class of '96.

The second item is headed NEWS FOR 1896 and reads:

"An Olney Medal for outstanding achievement in the field of textiles has been established by the American Association of Textile Chemists at Lowell Institute of Technology.

"This medal is named in honor of Dr. Lonis A. Olney, graduate of Lehigh in 1896, and present Director of Research in this Association.

"Dr. Olney received his Master's Degree in 1908 and became an Honorary Doctor in 1926. He is one of the many prominent alumni of Lehigh University."

And by a happy coincidence, I received from "Pop" Olney himself the following note a few days ago:

Dear Bill:

"Have just been reading your communication in the Alumni Bulletin. Am sorry to hear about 'Cully.' We will miss him at any future 'Ninety-six affairs . . . The enclosed clipping may amuse you."

(Signed) Pop Olney.

The clipping was a full page reprint from Chemical and Engineering News, American Chemical Society, Vol. 21, page 1620, October 10, 1943, and gives a fine and most (deservedly) laudatory account of Pop's life and professional career up to date. It is furthermore embellished by a very good portrait of Pop, who looks very professional and distinguished. The page is headed "American Contemporaries." There are three columns of fine print, including the portrait; the article is signed Norman A. Johnson. Pop is evidently held in high and well-earned regard by his professional brethren, and I advise any of you who may have access to a good engineering library to look up Pop's professional biography.

Yesterday I had a 'phone call from Joe Siegel: Joe was worried because he

and Mrs. Siegel had not received my usual holiday greetings, and he feared that either Mrs. Ayars or I or both of us might be ill. I was able to assure him that we are both doing right well at present, and that my carefully kept records of the friends to whom we always send Christmas-New Year's cards showed that one had been sent to Mr. and Mrs. Jos. H. Siegel on 15D43, and any delay must be laid to the rather overworked postoffice department.

You who do me the honor of reading this column have no doubt frequently noted my comments on the general sloppiness and carelessness of the average man in his personal correspondence. My Christmas card list now contains some 151 names. I make every effort to keep it up-to-date; yet I have already had three returned by the postal authorities, stamped "removed —left no address." At the same time, I received cards from these same addresses but no new address was given me. Along this line I had an odd experience a year ago. I had sent a card and a letter to a very dear old friend, a retired engineer-professor in London. It came back in about a month stamped by the London postoffice simply "gone away." I then wrote to another old friend in London, the Secretary of Lloyds Register of Shipping, and asked him if he could get any information about the other friend, who was a total stranger to him. Very soon I received a reply from him, informing me that my old friend had died and giving me the date; also enclosed a photostat copy of the account of his life and record from the British "Who's Who." And about a week later, "confirmation" copies also arrived, lest the first set were lost at sea. Lloyds Register is a wonderful organization; but on no account must it be confused with the British Lloyds people who will insure anything anywhere.

Class of 1897

JAMES H. PENNINGTON

P. O. Box 159, Trenton, N.J.

Rather than disappoint an adoring world, I am hoisting myself out of bed long enough to run off this column. What's the matter? Same as with the rest of you. No further explanation necessary.

I dedicate this epistle to Sam Senior and offer the following, clipped from the Bridgeport Post, Sam's home town for the last 40 years.

"If we were to print a picture of Bridgeport's 'man of the year' for 1943 our choice for the honor would be Samuel P. Senior, president of the Bridgeport Hydraulic Co.

"Bridgeport now has many men of national fame in war industries and they all deserve credit for their efforts in 1943. But Sam Senior's work has helped to make the rest possible by assuring an ample supply of water for Bridgeport's rapidly expanding war industries.

HOSPITAL ZONE QUIET

Zone of Progress

IN AN AGE of progress in many fields, no advances have been more helpful to man than those made in medicine and surgery.

One of the forces that has made it possible for this progress to be rapid is synthetic organic chemistry. This science has provided those who manufacture pharmaceuticals with means of obtaining many new chemical materials from which to produce new chemical combinations. Synthetic organic chemicals are priceless raw materials in the eternal fight for health.

Through the use of synthetic organic chemicals, many anesthetics have been developed. The number of these anesthetics is of great value, since the physician can choose one suited to the patient's needs. This means less shock and greater comfort for the patient, thus often contributing to his swifter recovery.

Many other pharmaceuticals are made with the help of synthetic organic chemicals. Anti-malarial substances, synthetic adrenalin, man-made vitamins, anti-pyretics (to cut down fever), many kinds of sedatives, vehicles in which drugs are administered, and solvents used in extracting drugs from natural sources are some of the medicinal aids made possible by these chemicals.

CARBIDE AND CARBON CHEMICALS CORPORATION, the Unit of UCC which pioneered in the field of synthetic organic chemistry, has made more than 160 synthetic organic chemicals available in commercial quantities. Many of these chemicals are important in various ways in the pharmaceutical industry.

Pharmaceutical manufacturers, and research and technical men in chemical and allied industries, are invited to send for a copy of the 100-page booklet P-2, "Synthetic Organic Chemicals," which technically describes the properties and some of the uses of these chemicals in pharmaceutical and other fields.

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"Planning of the Saugatuck reservoir, was an act of almost unexampled foresight. It is interesting to recall that twice in one lifetime Mr. Senior has forecast the coming of a war with uncanny accuracy and in each case, has prepared the water system for the demands which he knew would be sure to follow.

"He planned and constructed the Hemlocks reservoir, first of Bridgeport's large, modern reservoirs just in time to be ready for service in the World War. Without that reservoir, the industrial expansion of that day would have been stymied.

"When Mr. Senior came to Bridgeport as a young engineer employed by the Bridgeport Hydraulic Co. nearly 40 years ago, one of his first jobs was to survey possible watersheds and it was he who foresaw the eventual usefulness of the Saugatuck system. The site for the present dam was bought on his recommendation in 1904."

I have word from two or three sources of the death of **Harry Sackett Johnson**. I have not seen Harry for 46 years, but have corresponded with him for the last 18 months, while he had been with the Grumman Aircraft Engineering Corp. Those Grumman "wildcats" of which we have been reading so much, are built up in Bethpage, N. Y. Harry lived at 96 Raymond Ave., Roosevelt, N. Y.

Harry was indeed an active '97 man. He played varsity football for three years, held class offices and was active in many of the special groups. He was indeed a representative classman. He was a member of Theta Delta Chi fraternity and Sam Senior's roommate for practically his whole college course.

Bob Laraway and **John Sheppard** have both written to inquire about the absence of our letter in the October Bulletin. See what it does to me when you fellows renege?

Class of 1898

DAVID H. CHILDS

234 Saranac Avenue, Buffalo 16, N.Y.

1944! Fifty years since a bunch of youngsters entered Lehigh. They did not know much in those days, little about electric lights or telephones, they used trolleys or local trains when they did not use a horse and buggy, they had no autos, aeroplanes or radio. But they did know one good thing, Lehigh University. They came, they saw, and Lehigh helped them conquer. Now they look upon those golden days under her care as an investment paying rich dividends, and watch her enlarging service with confidence in her tomorrow. "We will ever live to love her."

Last year I wrote you personal letters asking what you were doing in the

war effort. Here is a summary of the returns, some of which I have noted in former letters. Some of us are off the active list, but that group is small, happily.

Henry T. Borhek, zinc mining; **David H. Childs**, machine guns; **S. J. Gass**, roads, District of Columbia; **George Davies**, iron castings; **William A. Dehm**, steel fabrication; **E. R. Frisby**, construction engineering; **J. W. Gammon**, U. S. Army Ordnance; **F. H. Gunsolus**, fabrics; **J. C. Holderness**, U. S. Censorship; **L. S. Horner**, confidential advisor, War Department; **B. G. Kodjbanoff**, electrical supplies for the Navy; **J. B. Lindsey**, finance; **O. F. Luckenbach**, heavy machinery for the Navy; **S. B. Merrill**, bells for the Navy; **E. J. Newbaker**, coal mining; **H. C. Paddock**, Army airport construction; **P. L. Reed**, teaching soldiers; **D. W. Roper**, lumber for government work; **F. E. Schneller**, railroads; **B. R. Smoot**, Spotter, U. S. Army Air Force; **H. P. Wilbur**, plant protection officer; **E. H. Waring**, electrical equipment for the Army and Navy; **L. Wooden**, milk.

That record is one to be proud of.—hang that preposition at the end of the statement. I dropped a line to **Pop Pennington** and **Billy Ayars** about this record and hope to see what their classes are doing.

I am sorry to announce the death of **Ned Hillman**, which occurred last June according to a note from his cousin, **R. R. Harvey**, of the class of '94. I have some letters from Ned which I need, and will write of him more fully and formally soon.

P. S. Here's a good resolution,—Write a letter to your class correspondent at least once in ten years, and start right now.

Class of 1899

PROF. ARTHUR W. KLEIN

43 Wall St., Bethlehem, Pa.

From a letter recently received from **Paul Hilkem** I quote as follows: "When the Bulletin arrives my first thought is to turn to your column and I read with regret in the current number of the death of **Capriles**. I remember him well—a likable chap, though older than most of us of '99. Possibly I imagined this, as Latins generally appear older than Anglo-Saxons and Teutons of the same age. I wonder how many of us will be left to get together in 1944 for our 45th year reunion. Shall we have it or are all reunions abandoned for the duration?"

"Sorry to learn of your trying summer in hot and humid Bethlehem, which as I remember, thanks to a summer course in surveying, can be hot as hell in July-August. We all have our troubles. Connecticut, especially this section, went through the worst drought in the memory of the oldest inhabitant; in fact some say that there's been no such dry spell since revolutionary times. My well went dry as did those of my neighbors and I had to haul



"for all Returning Lehigh Men"

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J. LESLIE KINCAID
President

MINNEAPOLIS-MOLINE WAR RECORD

Minneapolis-Moline is proud to have its Minneapolis plant and offices and its Hopkins plant and offices receive the United States Army Ordnance Banner for Meritorious Production on army contracts. This award is also made individually to around 5,500 MM employees. We accept the challenge of this award and will go forward to greater production goals.

Since the beginning of this world crisis, all the men and women of Minneapolis-Moline have dedicated their unswerving efforts to an all-out Victory program. We are proud of the 1,059 men and women of Minneapolis-Moline who left us to serve in all branches of the Armed Forces. We are proud of our loyal MM dealers who are helping farmers produce Food for Freedom with limited quantities of farm machinery by keeping their machines in good repair.

Even before 1938, Minneapolis-Moline was working on the conversion of a farm tractor to serve our Armed Forces. This vehicle was the first that the Armed Forces called the "Jeep," so named by Army men at Camp Ripley, Minn, in 1940. MM "Jeeps" are now serving on many fighting fronts.

Minneapolis-Moline was one of the first 100 firms in the United States to set up a Labor-Management Committee to help increase production.

Minneapolis-Moline was among the first to advertise nationally the need for getting all scrap into the big scrap and has consistently followed up this program.

The United States Treasury Department reports that Minneapolis-Moline was one of the first 100 large firms whose employees regularly invested 10 per cent or better in War Savings Bonds and Stamps through the Payroll Deduction Plan. For this Minneapolis-Moline proudly displays the Treasury "T" Minute Man Flag. MM was one of the first to tell farmers nationally of the urgency of investing every possible dollar in War Savings Bonds and Stamps.

MM has contributed to the War Production Fund of the National Safety Council to help stop accidents that have killed or injured over 11,600 workmen every day since Pearl Harbor. More than a year ago, Minneapolis-Moline was awarded the Governor's Safety Award Pennant for a well established safety program in every plant.

Minneapolis-Moline and its employees have regularly supported every worthwhile cause and endeavor that helps assure final and complete victory.

Minneapolis-Moline manufactures all the farm machinery and tractors allowed under Government Limitation Orders, for which materials can be obtained, and many quality products for our Armed Forces so that complete victory may be ours sooner.

Minneapolis-Moline was one of the first 45 firms in the United States to be awarded the United States Maritime "M" Pennant, the Victory Fleet Flag and Maritime Labor Merit Badges for its employees by the United States Maritime Commission in recognition of Minneapolis-Moline's outstanding production achievements in helping build victory ships.

The Como plant of M-M was awarded the Army-Navy "E" last summer.

This United States Army Ordnance award makes Minneapolis-Moline probably the *first* or *at least* one of very few in the United States to have earned all of these production awards for high quality and high production achievement. Naturally, Minneapolis-Moline is the first in the farm machinery business to have earned all these awards for meritorious production.

More sweat now
means less blood
and fewer tears
for all of us.

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GOVERNOR'S
PLANT SAFETY
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MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY

MINNEAPOLIS 1, MINNESOTA, U. S. A.

my every drop of water from an artesian well two miles distant. I fear some of my young fruit trees and grapes set out in the spring died from lack of moisture, but I was not in such dire predicament as a nearby dairy farmer who had to spend four hours every day lugging water for his cattle. In spite of the drought I had quite a good harvest of apples and grapes, my first from young vines set out three years ago. Just think, in January it will be five years since I turned farmer."

Paul raises a question which is doubtless in every '99 man's mind. Is there to be a reunion of the class this year? Of course, anything can happen on the European front but unless the war on this front is definitely won before next June, there is not a chance that we can have our 45-year reunion. The government sent out a request a year ago that all such "unnecessary" gatherings should be omitted for the duration. If any important change in the situation occurs before next June we can quickly organize a reunion and I shall advise all classmates to that effect.

Let me have a letter occasionally from which I can quote, thus maintaining a live interest in our '99 column.

Class of 1901

SAMUEL T. HARLEMAN

110 Wesley St., Bethlehem, Pa.

Jim Ryan is the first one of the class to come across with some war information on his family, as suggested in this column in the previous issue. After reading this, I am sure that more of you will furnish us with the same sort of information. Jim apparently did not know that 1901 really had a man in active duty in the person of C. Lee Straub, who was a Lieut. Commander in the Navy, doing a swell job in setting up Diesel engine instruction schools across the United States. Lee had a hand in the one established here at Lehigh in the Packard Laboratory.

Those of you who were present at the reunion dinner in 1941 will recall the ceremony whereby **Posheng Yen**, nephew of **Yen Te-Ching**, (our own "Ting Ling") was adopted as the Class Nephew. You will also recall meeting his charming wife, Flora. Now we have a surprise for you. The Yen family in New York, where Posheng is Vice Consul for the Republic of China at 30 Rockefeller Center, New York City, was increased to three on December 23, 1942, when a daughter, Florette, was



"Flora and Florette Yen"
"Meet '01's newest addition"

born to them. Your scribe knew of this at the time but has been withholding announcement of this happy event until such time as he could present a photo of our Class Niece and her youngster. Said picture is herewith presented. Best wishes to "Ting Ling's" Grand Niece (or should it be Great Niece?).

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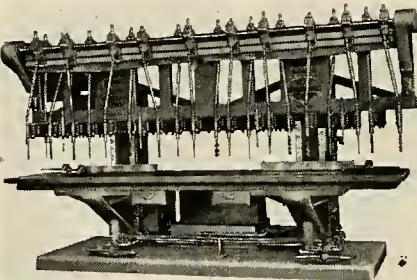
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J. WM. STAIR—'06

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What do you feed an Iron Horse?

IT was easy to tell in the old days, when you could see the boiler and the smokestack and the steam whistle. You could tell at a glance you fed it coal and water.

But these modern, streamlined steeds—their stomachs hidden under sleek bodies of gleaming steel—what is it you feed them? Coal? Oil? Or electricity?

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Today, a large percentage of America's crack passenger and freight trains are pulled by American Locomotive engines—some steam, some Diesel,

some electric. Each is unsurpassed at its particular job, for each was built for that particular job.



Tom Girdler delivered an outstanding talk before the National Association of Manufacturers in New York early in December on Principles for Post-War era. He gave these four cornerstones upon which industrial peace might be built:

"1. Recognition of the principle of collective bargaining.

"2. Recognition of the right of employees to join or not to join any labor organization.

"3. Scrapping of the 'class conflict' idea in labor management relations and recognition that cooperation between men and management naturally follows mutual understanding of each others' problems.

"4. Incentive for investment and work—a fair return for venture capital, and fair wages for employees."

Class of 1902

WILLIAM P. SLIFER

6136 Morton St., Germantown, Pa.

Letters were received this month from **John Hegeman**, 1675 Longfellow Avenue, Detroit, Mich.; **W. Frank Roberts**, Bayard and Hamburg Streets, Baltimore, and a telephone call from

Walter S. Johns, 1660 Pennsylvania Building, Philadelphia.

John Hegeman is still pegging along with Bethlehem Steel as District Sales Manager. He reports things going along during these times in such a fashion as best fits little "for publication." **Cass Hutchinson**, with Brown-Hutchinson Iron Works Inc., and John occasionally have lunch together.

When we can induce Roberts to talk about himself, it seems likely that he will be able to give a good and interesting account of himself.

Walter Johns invited me to dinner. After we hash it all over I expect to let you have something in an early column. Walter has been "elevated." They brought him in to Chief Engineer office from Chicago Pennsylvania RR Maintenance of Way. Wonder if the case with Johns has any counterpart in Potiphar Gubbins, C.E. (see Rudyard Kipling's "An Elevation in India Ink"). You know, the happy, well-met genial Mr. Johns can get pretty rough. But will his bridges buckle and break? We do not grant it.

Well, sometime, maybe soon, pray God, the guns will silence and the lights go on again, and our boys come

home to us. Many of them to dear old Lehigh, the beacon light of all that is worthwhile; and our son's sons—and daughters! Why not? Answer that.

Class of 1913

EARLE F. WEAVER

c/o Pennsylvania Power & Light Co., Cedar and Buttonwood Sts., Hazleton, Pa.

Doubtless, all 1913 readers of this column have heard all they care to about the second Lafayette game of the past season, but what a few '13ers did on that date, using the game as an excuse of course, may be news to most of you. Anyway, here goes:

During the forenoon on the day of that game, Mr. and Mrs. Bob Watson, Mr. and Mrs. Don Wallace, Mr. and Mrs. "Doc" Wylie, Mr. and Mrs. "Sunnie" Edwards, your class correspondent, Mrs. Weaver and daughter Marilyn, got together at the Hotel Bethlehem, and after imbibing a bit of the now rationed spirits, had lunch together and then proceeded to the campus.

When two or more '13ers get together, you can always count on something happening, hence naturally, after the game—about which I am pur-

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CENTRIFUGAL . . . SINGLE REVOLUTION . . . FRICTION

the Jewels

A WOMAN GIVES A MAN



MORE planes might be named Diamond Lil if pilots and crews knew what this woman knows—that bombers wear jewels!

This woman is one of a little group of war workers whose job is producing synthetic jewels for electric aircraft instruments. The jewels are tiny bearings for moving parts which must be as accurate, and are almost as small, as the parts of a fine watch. They are made from glass by a secret process at a mass production rate, but each jewel must pass an inspection as exacting as a jeweler's appraisal of a precious stone. These jewels, which women are giving men to fly by, are given in painstaking devotion to precision—in manufacture and inspection.

The development of these jewels is an example of the application of General Electric research and engineering to small things, as well as large. Before the war, and before G-E scientists developed a special process for making these jewels synthetically from glass, we used sapphires for these bearings—importing many of them. Think what it would mean, with America's thousands of planes requiring millions of instruments, if we were still dependent upon a foreign source!

Small things perhaps, these jewels a woman gives a man—but in war, as in love, there are no little things. *General Electric Company, Schenectady, New York.*

Hear the General Electric radio programs: "The G-E All-girl Orchestra" Sunday 10 p.m. EWT, NBC—"The World Today" news, every weekday 6:45 p.m. EWT, CBS.



This magnified glass jewel, one of several types, is actually smaller than a pin head. As one of the largest makers of aircraft instruments, and as a supplier of jewels to other instrument makers, General Electric is unofficial jeweler to many American planes.

GENERAL ELECTRIC

952-600C1-211

192,000 employees of General Electric are on their jobs producing war goods and buying over a million dollars of War Bonds every week to hasten victory.

posedly saying nothing, — the same crowd drifted back to the Hotel Bethlehem where we were joined by **Mr. and Mrs. Bob Dynan**. After settling numerous political issues, the strategic advantages of a second front in Europe and the possible date of our next reunion, over a bit of the amber fluid for which Bethlehem and many other places are famous, we all had dinner together.

As some of us had not seen "Doc" Wylie since our 10th reunion, he naturally proved to be the central attraction and we greatly enjoyed hearing him tell of his experiences in Turkey, his views on the war situation in that area and, of course, the future of Lehigh. Incidentally, Doc is enjoying fine health and wears a ruddy complexion as though he spent a great deal of his time playing golf. Mrs. Wylie and their daughter, who is attending Sweet Briar College, preceded "Doc's" return to the States and all of them have had a grand family reunion at Pottstown, Pa., over the holiday season. Although his plans are not at all clear, "Doc" expects to be in the New York office for a few months while waiting to see what turns up next.

While glancing through this morning's paper, I noticed an announcement by E. G. Grace that the Bethlehem Steel Co. had acquired the plant and business of the Atlas Steel Barrel Corp. The article stated that "the Atlas plant is located at Bayonne, N. J., and will be operated hereafter as a Division of the Bethlehem Steel Co. under the direction of **Robert Campbell**, former Atlas president." You've guessed it — that's 1913's "Pop" Campbell. Perhaps he'll get to Bethlehem more often now, at least we hope so.

The Alumni office has a new address for **T. B. Coleman**, at 1129 Wightman St., Pittsburgh 17, Pa. Also new addresses for **William Scgnine, Jr.**, whose business address is Glidden Co., Baltimore 22, Md., and residence address 5706 Lock Raven Blvd., Baltimore 12, Md.

Class of 1914

JOHN O. LIEBIG

41 North 5th St., Allentown, Pa.

Recently we received a copy of a reprint from the Rowland Spring Distributor of November, 1943. An article entitled "What the Future Holds in Store" was very well handled by **Hal Staab**, who is Eastern Sales Manager for the William & Harvey Rowland, Inc., Philadelphia, Pa. Hope you all get a chance to read it.

Now a few addresses which brings our records to a clearer standing: **Lt. Col. T. G. Shaffer**, GSC, Camp Hood, Texas; **E. E. Sanders**, New Jersey State Hospital, Greystone Park, N. J.; **G. M. Cameron**, 7804 Ardmore Ave., Chestnut Hill, Philadelphia, Pa.; **Stephen Elliott**, 62 N. Franklin St., Wilkes-Barre, Pa.

I hope some of you will oblige with news.

Class of 1915

LINWOOD H. GEYER

Room 1265, 11 Broadway, New York

In a recent issue of one of the New York papers, mention was made of Lt. Robert C. Wickersham, Jr., of Summit, N. J., who is a navigator in one of our heavy bombers. This was in connection with one of the October raids on Bremen. Lt. Wickersham is the son of **Bob Wickersham**, who is with the Koppers Co., White Tar Division, Kearny, N. J.

The following is a quotation from a recent letter from **Perry Teeple**: "My load to pull is very simple—I'm just a Battalion Executive and like it. We have a graining battalion with a batch of schools in it. The old Lehigh training just naturally helps make the job of supervising these schools, which deal with several specialists the Anti-aircraft artillery replacements must be, a run-of-mine task. Texas is good to me. and I send cheeriest greetings."

Sorry the news is so scanty, but I have not found any way of making telepathy work on this job. It's up to you.

Class of 1916

FREDERIC L. HORINE

149 East 6th Ave., Roselle, N.J.

Your correspondent's paper saving campaign—maintained by lack of news from you fellows—goes on with only one interruption. Word has reached us that **J. A. Hunter** is still in Allentown but now living at 1822 Turner Street.

Your semi-official spokesman does not feel that he can toss out the usual airy Happy New Year to many of you. But he does hope that we can wish each other a well, satisfactory New Year.

Class of 1917

WAYNE H. CARTER

735 Huntington Ave., Plainfield, N.J.

On November 16 I walked into the office of Yarnall-Waring Co. in the Wabash Building in Pittsburgh, Pa., and surprised our **Christian Wilson, Jr.**, so that he was unable to talk for a few seconds—an unusual state of affairs for Mr. Wilson. Chris has developed into a sedate looking gray-haired business man (but he does have hair, boys!) and seems to be doing alright for himself. We visited together while Pittsburgh went through a practice blackout and I enjoyed seeing him.

Through the efforts of **Dick Kirkpatrick**, I received the following letter from **Don MacIsaac** of the firm of MacIsaac and Menke Co., General Contractors, 3440 East Twenty-second St., Los Angeles, Calif., quoted in full:

Dear Nick:

"Dick Kirkpatrick has told me that your column is bare, because too many of the old boys of '17, like me, are forgetting their happy young bachelorhood.

"I shall have to admit I am just

about average—I contribute once in a while and see one of the old boys about once a year and cuss out the younger generation for lack of college spirit and football ability, and decide that next year I will go back to reunion and find out what in hell is the matter. But I can't kid myself; the fault is my own. I have gotten into a rut earning a living and raising a family and am too damned lazy to get out.

"Since leaving college I have roamed to California to the West; Persia to the East; Poland to the North, and Chile to the South.

"Of three best places to live, Athens, Greece; Santiago, Chile, and Los Angeles, I decided this was it and here I am with a wife, three kids, cats, dogs, orange grove and construction business.

"About once a year I see **Dick Kirkpatrick**, **Cape Hummel**, **Babe Twombly**, **Bob Campbell** and **Whitey Lewis** of our generation. I still think I am a better drinker than **Doe Edwards** or **Jim Keady**, so when we can travel again, just invite me and I will show or be shown."

Sincerely,
Don MacIsaac.

That was a nice letter from that old Scotchman. I would give a lot right now to be able to shake hands with the old buzzard and walk up to the bar with him. He was always a great guy. Try writing again, Mac. It was swell hearing from you.

Class of 1919

RICKLEF A. REID

Box 1739, Great Falls, Mont.

It is unfortunate that the Bulletin cannot find a correspondent who is in closer touch with Lehigh University than the writer. However, it may be the paper shortage has caused the staff to reach out for new writers in hopes they won't try to put in too much. Enclosed in the letter the secretary helpfully sent slips giving the names of **F. G. B. Hazeltine**—last address in Wilmington, Del.; **F. J. Sefing** and **G. H. Gildersleeve**, both of New Jersey; and an interesting article on **Buckie MacDonald's** work in the Naval Procurement Training, and who by this time is apparently the C. O. of a naval auxiliary field.

However, the letter with the above information reached me on January 5th, and cheerfully announced a deadline date of the 10th; so I am able only to respond promptly to the request and do not have time to look up any of the boys mentioned.

A few months ago I was pleased to receive a long distance call from **Joe Rosenmiller** whose plane apparently set him down in Spokane long enough to say "Hello" to me from a point only four hundred miles away before proceeding on to the coast. Sometime before that **George Wilmer Walters** blew into our beautiful little town and stated he represented the firm of **Merrie & Walters** of Salt Lake and Spokane.

They sell all sorts of mining and engineering machinery. George apparently was not entirely sold out and insisted we search the local cocktail lounges for more customers. George is now living in Spokane, and it was mighty good to see him. Christmas cards from **Ed Booth** and **Jim Straub** '20 indicate they still dominate the scene around Carbondale and Pittsburgh, Pa. The only Lehigh man in town besides myself is **Don Gibson**, who attended Lehigh some ten or fifteen years before my time. Don is in charge of the County Clerk and Recorders' office.

There was a shakeup in our company recently, the purpose of which was to streamline it in such a manner that we can make an attempt to compete with Dr. Paul Raver's Columbia River Valley authority on the west, the Hungry Horse project in the middle and Fort Peck dam on the east. Competing with Uncle Sam's pocket book, while contributing to it, will not be easy; but we are determined to carry on a private enterprise and believe we can. Fortunately, the shakeup, as far as I was concerned, was a shakeup and not a shakedown.

Class of 1921

LEROY F. CHRISTMAN

101 Endlich Ave., Mt. Penn, Reading, Pa.

After 2½ years as your correspondent I missed an issue of the Bulletin and wish to apologize for my failure. I can only say that I had practically no news and happened to be so very busy at the deadline date that I had no time to scratch up any news for you.

About that time, in my new capacity as district sales manager for the Allentown-Portland Cement Co. I was accompanying our 78 year old Allentown salesman, Harry Smith, on a trip through the Northern anthracite field and the Poconos of Pennsylvania. At Carbondale we came to a lumber yard and transit mixed concrete plant operated by John Booth, Inc., which meant nothing to me until I was introduced to **Eddie Booth** and I knew I needed no introduction to our intercollegiate champion wrestler of the class of 1920.

Eddie was busy erecting a retaining wall along the Lackawanna River in his own back yard at the very site where there had been a bridge carrying the Stourbridge Lion on its trips between Honesdale and Scranton. You will remember that the Stourbridge Lion was the first steam locomotive in America. A replica of it was made up for the New York World's Fair in 1939. This now rests in a glass enclosure near Honesdale.

Eddie is chairman of the rationing board, a general contractor and material dealer in business with his brother, the father having retired. He hasn't done any wrestling recently but except for being a little heavier looks very fit and as cheerful as ever.

F. Allen Hall sent me the following

interesting letter from Middletown, Conn.

Dear Roy:

"Your letter was forwarded to me while I was on a short vacation. As to what I have been doing, I can tell you that for the last year and a half I have been extremely busy operating one of the very large government ordnance works manufacturing T.N.T. These plants are of tremendous size covering a great area as well as requiring a large personnel. My job as general manager was to obtain the ne-

cessary organization and see that certain operating men were trained and ready to start manufacturing as soon as the contractors had the plant completed.

"In addition to the task of getting the plant in operation we had what might be called a substantial farm order or supervision. The normal crop of peaches on the property was 20,000 bushels, 600 tons of grapes, a great many bushels of apples, pears, plus wheats and oats so you can well imagine it was not only interesting and



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Because Lewis Rolls are made by engineers and metallurgists with years of result-checking experience, frequency of roll change is reduced—a major factor in increased output.

Lewis engineers are available at all times to help industry determine the correct type of rolls for the job.



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fascinating but kept me going to keep everything moving in the proper direction. This plant was located near Niagara Falls close to Lake Ontario and history tells us that the 8500 acres were actually on the old bed of Lake Ontario before it receded.

"Before taking the job at Lake Ontario Ordnance works I was general manager of a division of one of the large chemical companies and I was located in Massachusetts where I lived in the town of Weston only a short distance from Boston. My daughter, now eleven, was born in Massachusetts and now is becoming quite grown-up.

"Time has rolled on but I often think of some of my old friends at Lehigh and hope to see them after we have this war under control, but until then I expect to be busy doing my share in our efforts to win.

"Kindest regards to all."

Al Hall.

Class of 1922

GEORGE F. A. STUTZ

422 Edgemont Ave., Palmerton, Pa.

"Sam" Cottrell, manufacturing superintendent in charge of the inorganic departments at Monsanto Chemical Co., St. Louis, Mo., has been promoted to

assistant plant manager. Congratulations, Sam!

"Chubby" Satterthwait is now a Captain in the Engineers. I have not heard from Chubby for some months but presumably he is still in Alaska.

"Van" VanNort is a Captain in the Signal Corps. Our last report had him working on the telephone system on the Alcan Highway.

Johnny Horine is now posted at 340 Durham Street, Philadelphia, Pa. Heiney Carroll please note and get us some information, if possible.

Most of you will remember that we made a fairly good showing in our contributions to the Alumni Fund in '43. We are being asked to do better in '44 and I hope I can count on each of you for some help. At a recent meeting of class agents, I got a new idea of our responsibility to old Lehigh. I'll be passing it along to each of you in the next month or so. Meanwhile, get the old check-book in order and be prepared to give '22 a real boost this year on the Alumni Fund records.

Class of 1923

IRVIN S. REITER

Route 60, Allentown, Pa.

Although these are the first class notes since the November issue the

pickings are small. Don't forget that just a little note from you will produce prompt and free publicity; therefore, please drop us a line as your fellow classmates want to know the scandal.

Jim Carey, now with the Congoleum-Nairn Co. of Kearney, N. J., visited Len Bray at Bethlehem recently and there was held an old-fashioned "Bull-Fest."

We have the following new addresses but don't know what jobs, how many youngsters, wives or sweethearts. Please tell us more about yourselves. We will only print the good.

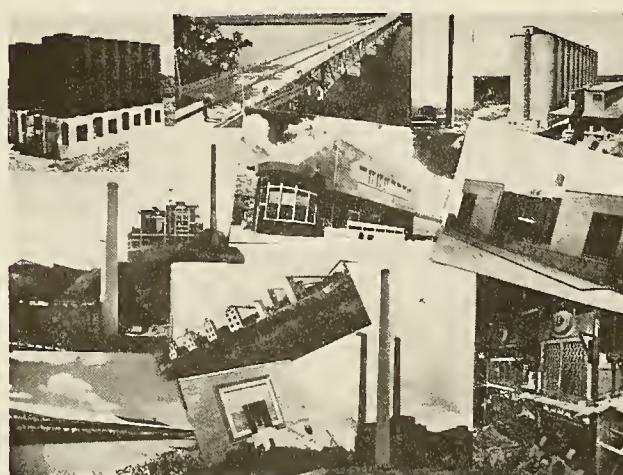
Lt. C. F. Bodey, 1107 Delaware Ave., Wilmington, Del.; J. B. Buckley, 530 W. 6th St., Los Angeles 14, Calif.; W. H. Butler, 1804 Lee Highway, Arlington, Va.; E. A. Hagenbuch, 322 Larother St., Lemoyne, Pa.; G. C. Heikes, 3402 North 31st St., Tacoma 7, Wash.; Richard Kutzleb, 2007 Denison St., Baltimore, Md.; L. J. Lohmann, 2107 N. Washington Ave., Scranton 9, Pa.; C. H. Miller, 7142 Magoun Ave., Hammond, Ind.; C. N. Portland, 87 W. St., Apt. 2, New York City; F. J. Pill Jr., 482 Front St., Hempstead, N. Y.; C. N. Schragger, 2211 Wholey Ave., Pensacola, Fla.; L. F. Shoemaker, 835 N. Franklin St., Pottstown, Pa.; H. F. Underwood, 37 Mason Dr., Flower Hill, L. I., N. Y.; F. C. Walters, 981 West



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- MATERIAL HANDLING SYSTEMS

C. G. Thoruburgh, '09

P. F. Campbell, '24

G. M. Rust, '31

A. G. Rohrs, '32

S. M. Rust, Jr., '34

W. F. Rust, Jr., '36

R. H. Wagoner, '36

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Moreland Drive, Steele Place, Baton Rouge 12, La.

Phil Hartung, Maplewood, N. J., won the golf championship at the Baltusool Golf Club last fall. **Len Bray** is superintendent of the Upper Manufacturing Shops, Bethlehem Steel Co. He lives in Bethlehem, is married and is the father of two girls. **Harold Dynan** is with the Priorities Division, Purchasing Dept., Bethlehem Steel Co., and lives in Bethlehem.

Mike McFadden is Asst. Supt., of No. 5 Forge, Bethlehem Steel Co., and lives in Bethlehem. He has been hospitalized recently but is coming along O.K. "Mike," Jr., is a senior at Liberty High. **W. A. S. Boyer** is in the Accounts Payable Dept., of the Bethlehem Steel Co., and lives at 18 E. Market St., Bethlehem, Pa.

Your class correspondent, Reiter, is Superintendent of the Heavy Forgings Manufacturing Shops, Bethlehem Steel Co. He lives in Allentown, is married, had two dogs but now has only a cat.

Class of 1924

FRANK T. BUMBAUGH

1245 Richmond Lane, Wilmette, Ill.

I have no excuse for not having written a column for you except a plea of too little time. I really have had some news which will be given to you in this and subsequent columns. The following letter from Tom Conley is so good that it is "the" column. I am suggesting to Freddy that he take some action on the several ideas embodied in Tom's letter. I believe they are good and we should follow them.

Dear Frank:

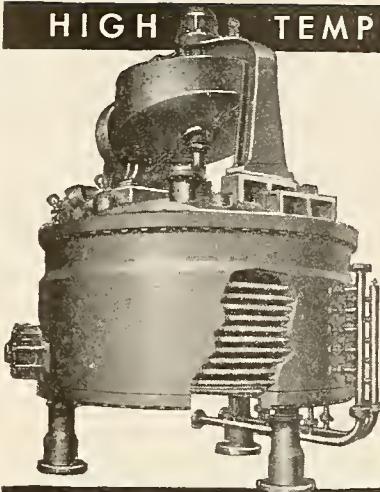
"News concerning the Class of '24 has been rather meagre for some months and I know the blame rests squarely on the members of the class. About every 5 years I get the urge to write to our class correspondent, so here goes.

"My own picture has changed considerably, due to the war, and I have been 'on the road' almost constantly for the past two years. Although not in the Army, I'm working for the Army Plant Protection Branch, Second Service Command, Trenton, N. J. My old friend, 'Pop' Shepherd, of the classes '19, '20, and '21, calls me 'Gum-shoe,' but that is not really descriptive of the job.

"During my travels I have seen a few of our old crowd. **Al Bugbee** and **Ed Robinson** are still holding forth in Trenton. Al is president of the Rotary Club and his voice is just as loud as ever. I was having my nightly glass of beer at the Roger-Smith in New Brunswick recently when **Jim Boyd** of Mustard & Cheese fame joined me. Which reminds me that the other half of that team 'Piery' Piersol is a fairly regular contributor at the annual Phila.-Lehigh Dinner. 'Piery' is still helping Mr. Mellon run the Aluminum Co. and from his well-rounded appearance he must be sitting down a lot.

"Saw **Bill Wooldridge** last summer—

HIGH TEMPERATURE PROCESSING



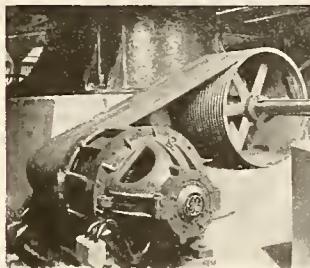
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For chemical processes involving the application of heat from 300 deg. F. to 660 deg. F. in the batch, by means of steam or hot water at required pressures—Thermocoil apparatus is ideally adopted.

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CHAS. O. WOOD, '92

G. H. WOOD, '99



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CHARLES McCONIGLE, '01 - OTHO POOLE

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STEEL CONTRACTORS

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CHARLES McCONIGLE, '01

POOLE-DEAN COMPANY

PORLAND, OREGON

he is expediting steel for one Mr. Kaiser—I hope he's not in the Brewster affair! Dex' Warriner looked fine in his Army uniform. It's surprising how young some people look with a hat on! (I should talk). Bayard Mitchell and Sid MacKenzie were at the smoker in November.

"Incidentally, Sid made a good suggestion for our next reunion. We probably won't have a 20th, but let's have a 'belated 20th year reunion' and everyone buy one \$25 bond to be set aside solely for expenses at the big event. I know it's difficult to think about reunions at a time like this, but the war won't last forever and Lehigh will."

"I was in Bethlehem last week and spoke to Dr. Williams for a few minutes. There are now about 350 'Civilian Students' and about 1400 Army boys on the campus. By next fall there will probably be about 200 Civilian Students and from what I saw at this year's Lehigh-Lafayette game, I think football, at Lehigh, should be shelved for the duration. I would suggest, however, that every member of the Class of '24 contribute something this year and every year to Student Grants."

Sincerely,

Tom Couley.

Class of 1927

MAJOR H. O. NUTTING, JR.

20 S. Third St., Lebanon, Pa.

This column reports with great sorrow the death of **R. Duncan Cheel**. "Dunc" was connected with an Insurance Co. as Safety Engineer ever since he graduated. Little news is known of his death except he died after a very short illness at his home in Hohokus, N. J. "Dunc" is survived by a wife and son. Our class joins his family in sorrow for their loss.

"Vic" Schwimmer, the old stalwart goalie on the Lacrosse team announces that he has resigned as attorney for the Securities & Exchange Commission to become associated in the general practice of the law with Chadbourne, Wallace, Parke & Whiteside, New York. Best of luck to "Vic" in his new assignment and may I remind anyone interested, all legal matters should be directed to "Vic" because he always had a way with him.

It hardly seems fair that only one name should appear at the top of this column. It should be shared with the fine name of **"Johnny" Blackmar '29**. I have found over a period of years more news has come from "Johnny"

than any other buzzard in our class. I openly make this statement with the hope that it will spur John on to greater efforts.

A short time ago a meeting was held of class agents. Your class agent was unable, as usual, to attend, however, from reading reports of the meeting it appears that a good program was inaugurated for the year 1944. I know that when the time approaches, this class will again come through as it has in the past for subscriptions to this Bulletin, class dues, contributions to the University, etc.

Class of 1929

JOHN M. BLACKMAR

Tall Oaks, Summit, N.J.

Last issue in giving resumés of mail from **Lt. Skipper Morrison, U.S.N.R.**, **Capt. Jack Barnard**, and **Sgt. Scotty Campbell**, your correspondent committed the cardinal sin of exceeding 600 words. This time I'll try to convey all the news that's fit to print in less type.

Having only one brief letter to acknowledge written Columbus Day by that old Phi Delta Epsilon journalist and advanced ROTC student, **Bob Sav**, I shall place it all in quotation marks:

A Better Spray NOZZLE for Water Cooling

This MARLEY Non-Clog Nozzle Saves Industry Many Thousands of Dollars Each Year!

Because it operates efficiently at low pressures it saves on pumping cost.

Because it has no internal parts to clog or wear it saves on cleaning, repair and replacement cost.

Because of its finer, more uniform spray it is the most effective water cooling nozzle ever devised, saving on the number required to handle any given heat load.

L. T. Mart, '18, Pres.

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WHEN THERE'S NO TIME FOR BREAKDOWNS IT'S TIME TO GET A GORMAN-RUPP PUMP



Today, when time is the essence, you need a Gorman-Rupp Self-Priming Centrifugal Pump more than ever. There is not a quitter among them. The water passage has the same area as the suction hose. Muck, gravel, cinders—you simply can't clog them because solids cannot accumulate. There is no recirculation orifice to clog—no shut-off valve to jam—no hand priming regulator. There isn't a self-priming centrifugal pump made that will outwork a Gorman-Rupp in gallonage or continuous hours. Gas engine or electric motor driven. Capacities up to 125,000 GPH. There is a type and style to fit your every requirement. Stocked for immediate delivery in 100 principal cities.

GORMAN-RUPP SELF-PRIMING CENTRIFUGAL PUMPS

JAMES C. GORMAN, '10, President and Treasurer

"My social secretary must have slipped in not having me answer your note sooner. I've given him hell and it won't happen again."

"It was interesting to note that over 40 of our classmates are in the service. That certainly carries on the traditions of good old '29 in making every sacrifice for our country but I certainly feel sorry for them having to get along on steak, ham, butter, etc. all the time. However, for me, I'd much rather be out making my \$150 per week and wearing a zoot suit!"

"As to my recent activities—married in 1936—evidently not enough activity there as I have no children."

"Resigned from Socony-Vacuum Oil Co., Inc., in 1938 to conduct my own business. Was quite successful, but when income taxes became a burden and labor a problem, I leased my business to Socony-Vacuum in 1942 for the duration, so that I might travel around the country, all expenses paid."

"Since then I have visited Aberdeen, Massachusetts, Washington, D. C., and am at present taking a rest cure near Bowling Green, Va. In case you'd care to write again before I go on a cruise, you may address me: Captain Robert B. Sax, Commanding 293rd Ord. Co., A. P. Hill Military Reservation, Va."

About two months ago I used the telephone to track down three fellows I had heard were in uniform, **Art Achilles, Stan Scrocca and Gus Sickles**. Lt. Achilles, who is now attending a specialist school for Signal Corp Officers at Fort Monmouth, N. J., obligingly answered all my questions. This E.E. spent his first three years after graduation in the engineering department of the New York Telephone Co. and then ten years until he was drafted September 7, 1942, working on electrolysis problems for the New York City Board of Transportation. Still single Art was grabbed by the Air Corps. had his basic training at Atlantic City and then was sent to Lowry Field at Denver where he was trained to be a turret gunner. Later at Camp Kearns, Utah, he was singled out for OCS and in due course became a 90 day wonder at Fort Monmouth. On June 10 he won his gold bar. From our conversation I gathered he expects a more interesting assignment in the not too distant future. Art tipped me off to the fact that both **Sickles** and **Scrocca** are also officers on duty at the vast Jersey shore set-up.

So your reporter followed up on the phone and found out that Gus Sickles, one of our men whom the War Department commissioned in the Infantry Reserve back in June 1929 is now Captain Sickles. It is an interesting sidelight to note what our Epitome has to say about this Brown and White Associate Editor and Industrial Engineer.

"Gus is of an inventive turn of mind, his most celebrated invention being a method of tying a bow tie to make it pass ROTC inspection as a four-in-hand; being of an altruistic nature, he has not patented this process but is willing to



"Meet Captain Sickles and family"
"Ellen Marjorie is the center of attraction"

pass it along to anyone who may be interested."

In June 1942 as a 1st Lt. in the reserve Sickles was ordered to active service in the U. S. Signal Corps. At that time Gus was operating his own business in Newark, N. J.—the Sickles Photo Reporting Service. His appointment as officer-in-charge of the Photographic Laboratory at Monmouth was a natural. I learned that a baby was expected so called Gus again in December and confirmed the fact. Then Gus remembered me at Christmas by sending their card showing Ellen Mar-

jorie, the center of attraction who was born October 14, 1943. Her mother is the former Thelma Green of Brooklyn who was married to civilian Sickles March 21, 1941. Ellen is their first child and her present home is at 162 River Road, Rumson, N. J.

Class of 1931

LT. COL. ROBERT H. HARRIS
1549 No. Jefferson St., Arlington, Va.

Jimmie Little has crashed through with some recent items of information which I appreciate and which will keep

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"Let BODINE Help You"

A. V. BODINE, '15
Pres. and Treas.

A. V. BODINE, JR., '40
Asst. Sec.

the column running at least for another issue. Jimmie relates that he has been on duty with the Navy since May 31, 1941, in security work and although he does not explain what the work is, he says he does not like it. Congratulations are due Jimmie on his promotion to Lieutenant Commander last July.

It seems that the old politician, **Joe Hunoval**, was recently on the ticket for the town council in Union, N. J., (political platform not stated) but lost out in a close election race. Joe, as you probably know, is running a successful law business in Newark, N. J., and is active in the North Jersey Alumni Club.

Sam Fuller, who seems to be the column's number one news item, has just finished his indoctrination training as a junior grade Lieutenant in the Navy at Fort Schuyler, New York City.

Class of 1934

ROBERT F. HERRICK

Alumni Office, Lehigh University,
Bethlehem, Pa.

Had lunch with **Prexy Ben Bishop** on Monday and we talked over the possibilities of getting the gang together for a reunion in June of this year (which would be, believe it or not, our tenth), but it seemed best to hold things off

until the war's out of the way and all of the gang can get back. So many are in the services at the present time, or on their way in, that the attendance would be a question mark and the edge taken off the occasion by the absence of all those on duty, so let's look forward to a real reunion the first June after the war has ended.

One of the breaks of the month was a letter from old **Richard E. (as in Delta Tau Delta) McLeod** which is mighty good news after these long months. Says Dick: "I don't get to see many Lehigh fellows out here, but I certainly heard plenty about Lehigh yesterday and today after the shellacking we took at the hands of the institution down the river. The story I gave was that Lehigh actually scored 60 points, but through typographical error the 6 was left off in our local newspaper.

"**Harold (Shorty) Zabriskie, '33**, who is a good Delt, and, incidentally, formerly worked for this company, dropped in to see me last week-end. He is now a first lieutenant in the Engineers, and has been stationed at Camp Forrest, Tenn. He had a 10-day leave, and came up via Dayton on his way home. We had quite a session talking over Bethlehem and continuing it on the

train, as I had to go to New York on Sunday night.

"In New York I contacted **Ed Ehlers** who is still with Joseph-Dixon Crucible in Jersey City. Perhaps you have seen Ed and Zabriskie since I have as I believe they intended to come up for homecoming together. Those are the only Lehigh fellows I have seen for some time. Not much to tell you about myself. I manage to keep pretty busy with this little plaut out here, the labor shortage being what it is. The Draft Board is breathing rather heavily on my neck, but today I am still 3-A with the not too enviable Order No. 927.

"As you remember, I have always been somewhat of a football nut and have been following through that hobby with a little officiating the last two seasons. Having worked with the **CODE** Okeson so much, I was greatly shocked to learn of Okey's death. The University and the sporting world has lost a good man.

"I don't know when I'll ever get back to the campus, but I'll definitely be there if we have a tenth reunion next year."

Hardly had I gotten through enjoying Dick's letter when I received word that there was a **Mr. Harold Demarest** in the office and sure enongh there was the big boy himself, looking not a year older

3x22/3=2x4

This mathematical equation is just another way of saying that Lehigh University's wartime program is not sub-standard. As always eight full semesters of academic work are required for the bachelor's degree. Under the so called accelerated program the student by attending three semesters in the calendar year is graduated in two and two-thirds years. In normal times he was in school two semesters per year for four years.

February 20—Midyear Commencement $\left\{ \begin{array}{l} 10:30 \text{ a.m. baccalaureate} \\ 3:30 \text{ p.m. graduation} \end{array} \right.$

February 23—Undergraduate registration

February 24—Spring semester begins

February 24-25-26—Graduate registration

Lehigh



University

and full of plenty of the old fight. Hal only had a minute to talk but it developed that he had been spending a greater portion of his time working for the Army in a civilian capacity in training embryo pilots, but had more recently gone back to help his father with the firm in New York. Hal tells me, however, that he has his eye on a Navy commission and if everything goes well hopes to have that j.g. rating and be in service by summer. Presumably he would see duty on a flattop because of his knowledge of aviation, but just the exact nature of his duties is not apparent as yet.

Got a call the middle of the month from someone who represented himself as Mr. Claxton in Altoona, Pa., according to the telephone operator, and after several valuable moments of trying to place the person concerned it turned out to be none other than old **Charlie Klatzkin** whom I had not seen since he beat out his last "boogie beat" at the Tau Delt house and disappeared into central Pennsylvania to sell furniture. Charlie, after a University transcript, apparently had some hopes himself of landing a commission, although we obviously didn't press him for details. But it goes without saying that the more of us that can get in with something on the shoulder the more fame we'll be able to bring to old South Mountain.

Keep those letters coming, and so long until next time.

Class of 1936

ROBERT M. EICHNER

R. D. No. 1, Ballston Lake, N.Y.

Here's an item that will interest you all from a letter by Garland "Gink"

Roper, 36 Green Acre Lane, Fairfield, Conn.

"I noticed your comment that you are putting the 'Bee' on some of the boys to write so I thought you might appreciate a note of news even if I do feel like I'm bragging to write.

"Anyway here it is: **Charles Garland, Jr.**, was born October 31, 1943. He is our second child. Susan Jean was three years old last April. That isn't much of a contribution to the war effort, but evidently Uncle Sam has considered it sufficient so far since he hasn't paged me for induction yet. Of course, maybe my present employer has something to say about that too, since development engineers are sorta scarce these days. I'm presently located at the Bridgeport Plant of Manning, Maxwell & Moore where aircraft gauges, instruments, and consolidated safety valves are made."

Here's a letter from **Lt. Colonel Wm. S. Hutchinson, Jr.**, A.P.O. #464, New York City.

"Tuesday, December 14, 1943

"Dear Bob:

"I got your card of August 14th several weeks ago, at which time I was too busy ducking Krupp products to prepare a suitable answer. In fact, it is only because one of Krupp's very latest model 170 MM shell fragments finally found its mark that I am now able to do the decent thing. A small shell hit my right ankle the other day. A beautiful wound. No permanent damage, yet several beautiful weeks in the hospital are assured.

"First of all, I am not at Edgewood Arsenal. I am in Italy. If you'd pay attention to Len Schick you'd know those things. However, I forgive you. Half the time I don't know what my

address is myself. I have a battalion of 4.2 inch chemical mortars which you can learn about by reading page 25 of the November 15th issue of Time. Some of the action described is ours.

"The war is getting pretty dangerous here these days but we manage to stagger onward and keep fairly comfortable. Can't recall seeing any Lehigh men recently but have done my best to spread the good word along. However, from what I see of the local bambinoes this is not a likely spot for future Lehigh men."

Best regards,
Hutch.

As a result of wrong addresses and slow mail Hutch and your correspondent have been at cross purposes since summer. In the October issue we printed his first letter and reported that he received the Silver Star for his work at Gela. Sorry to hear you were knocked out of action Hutch but we're very glad it was not a bad wound. Get back in and take care of yourself!

Class of 1939

ROBISON CLARK

1285 Warren Road, Lakewood 7, Ohio

Inasmuch as **Lt. (j.g.) Henry T. S. Heckman** is in the South Pacific on an Auxiliary Patrol Craft making it hot for the Nippsons, he finds it a little difficult to meet the Bulletin's deadline . . . so . . . I offered to pinch-hit. **Len Schick** accepted my offer December 29th with hopes that I could meet the deadline for the next issue which fell on December 30th . . . this being the 31st, I hope I can squeeze through.

Henry tells us (Peggy and me . . . you'll probably best remember Peggy as Peggy Beal) in his last letter that the social life in the South Pacific is confined solely to having chow on board another ship which isn't too often. As far as girls (white) go there just ain't so such animal, but then there's always an engine or two to play with. How about it, Henry?

Other news of the Class of '39 is rather sparse, so I'm sending out an appeal to one and all to drop me a line or two . . . even a picture can wend its way into the class column, so come on fellas—give! The wives of '39 aren't excluded from this appeal . . . if you have something or anything that might be of interest let's have it, please.

Capt. Charlie Weed is down in Yuma, Ariz., on desert maneuvers with the 80th. He and Bess have been having themselves a time going from Tennessee to Georgia to Arizona all in a short couple of months.

A/C Jake Heller has been transferred from Brooks Field, Texas, to an Armament School in North Carolina. He likes it fine . . . but evidently Brooks Field was a country club compared to this place . . . so says Jake.

I heard through **Harry Osborne '33** that Ensign Norm Ayer is on the West

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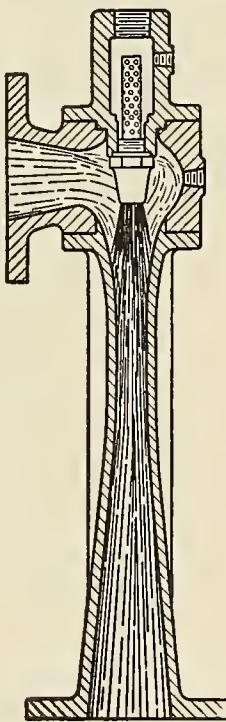
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S. W. CROLL, '10

Coast awaiting an assignment . . . he may have it by now. Good luck! Norm.

As for the activities of the Clark contingency, we've been travelling a bit, too. We managed to get nicely located in Worcester, Mass., heading up the General Accounting Section of the American Steel & Wire Co.'s South Works when bingo we were transferred back to Cleveland . . . let me tell you it's no fun with a baby trying to live in temporary quarters . . . especially out of a suitcase.

Uncle Sam's breath is beginning to scorch the back of my neck a little so I am in the process of applying for a commission in the Navy—probably in the division of Supply and Accounts. It will be a couple of months yet, but here's hoping.

Class of 1940

RALPH E. MARTIN

393 North Main St., Wallingford, Conn.

I just received the November issue on New Year's Eve so I guess my Christmas greetings will arrive to you about Valentine's Day. With labor and paper shortage the Bulletin is delayed each month.

Had a chance to go to New York to the Chemical Exposition early in December but was disappointed in that I didn't see any Chems of '40 there. Maybe "Skeets" Russell is right when he says "looks like we're the only two civilian Ch.E.'s in captivity."

"Skeets" writes that he is just fresh out of 2B but due for one more (maybe we will have no civilian Ch.E.'s when you read this. I am due to run out in 12 days). He continues: "Am still with Westvaco Chlorine Products Corp. and single as hell working about half time in Washington and half in New York.

"Frank Elliott (Captain) is flying B-24 Liberators at LaLuz, N. M. Captain Frank is a proud papa of a little future co-ed.

"Captain 'F' Glueck is with the 14th Ord. Bn. at Fort Meade while Lt. Jim Richardson is still looking for airplanes in A.A. coast in Panama. (After the last half hour I spent walking up and down the street as Air Raid Warden, I wish I were in Panama.)"

"Skeets" continues saying that he heard Lt. "Wiggy" Whitmore was in Washington recently but he missed him. It is also reported that Cliff Lincoln has been married. Our best wishes to you both, Cliff. Skeets' address is 308 East 79th St., New York 21, N.Y.

A letter from Lt. "Willie" Fisher, at Fort Leonard Wood, Mo., tells that his work in the Engineers is much more interesting than being a civilian in spite of the drop in pay. As a civilian I can imagine that might very easily be as the shortage of engineers and other help sure keeps us busy here. We are very busy here in Wallingford making plywood glues and plastic materials used in all Pratt & Whitney Aircraft Motor distributors and materials for the plastic uniform buttons which many of you fellows are wearing.

"Willie" says he met Bernie Tripp on the train last August. Bernie was then at Annapolis but by now should be seeing the world through a porthole.

The engagement of Captain Herbert Vonhof to Miss Shirley C. Abrams of Spokane, Wash., has been announced.

Let's have some more notes from you.

Class of 1941

LT. DONALD R. SCHOEN

1 Hudson Ave., Mount Vernon, N.Y.

Rural Metropolis

Boston is a great place to run into people that you know; just stand on any street corner either in downtown Boston or in Cambridge and wait long enough and you're bound to run into at least one Lehigh man. Or so it seems to me.

Most of them seem to be from other classes (like Bill Hayes, '43, my former roommate, now in the Marines and studying at Harvard) but a few forty-ones do turn up. I ran into Roswell Davidson at Harvard a month or so back; he's still living at 290 W. 11th Street, New York City, but he was in Cambridge on business (confidential).

Pfc. Frank Hertzog, George Gabuzda, and Fred Gilmore invited me to dinner at the Harvard Medical School a while back. They are all working hard as fourth-year students (doesn't that make you seem old alumni, fellows?) and will start as interns in October. Fred is going to the Jefferson Hospital in Philadelphia, Frank to the Albany Medical College Hospital, and George at the Pennsylvania Hospital. While in Philly, George ran into Ray Kiefer who is in his fourth year as a med. student at the U. of P.

Ensign Don Bedell is in Boston taking an officers' course at M.I.T. I ran into Don last spring in New York when he was still at Fort Schuyler, and since then, he spent four months at Princeton studying electronics.

Here and There

A/C Warren Miller wrote Mr. Schick from Geneva College in Beaver Falls, Pa., where he is taking his training: "About two months ago my C.O. finally gave me an endorsement for transfer as an Aviation Cadet. I'd been trying to get transferred ever since I was drafted, as I'd taken the CAA course at Lehigh and had a private pilot's license. Everything turned out fine so here I am." . . . Harry Chandler (also A/C) wrote me from Greenville, Miss., at Christmas, indicating that he is no longer at Proctor & Gamble. Harry, like most of the rest of us, complains of having lost track of so many of the fellows he used to know. Chuck Kalmbach (now Captain) sent me a card from Washington, D. C., where he is evidently now stationed. His address is again 3261 Everett St., N. W. Ed Sutherland's mother wrote me quite a while back that Ed had been commissioned and that he is now flying

a B-24 Liberator. Last reports had him in Kansas. **Bob Caverly** (Lt.) is evidently somewhere overseas. His mail goes to APO 4849 through the New York Post Office.

Good News—and Bad

The alumni office sent me the bare statement that on the basis of a newspaper clipping they are fixing the stencil on **Joe Conneen**'s mail to indicate that he is now a Captain. **Rod Templeton** (Ensign) is now engaged to Miss June Grissom of Toledo, Ill. She is a Wave on duty in Washington, D. C., and he (last we heard) is studying at Cornell.

The sad news we have to report (it is undoubtedly not news to many of you by this time) is that **Phil Hornbrook** was killed in action several months back. Such news is always hard to report, and is even more so in the case of a fellow who was as well known and liked as Phil.

S.S. Strickland

Carl Strickland's sister, Mrs. J. H. Nostrand of Cranbury, N. J., wrote me at Christmas that they had flown to Texas for the launching of the S.S. Strickland, named in Carl's honor. Carl was one of the first of our class to make the supreme sacrifice for his country, and it seems very fitting that he should have been so honored.

Class of 1942

ENSIGN FRANK S. MCKENNA

223 Necomb St., S. E., Washington, D.C.

Your editor hit a new low in class correspondence received this issue—one post card from **Lt. Burkey** and an announcement of "Sam" Struble's wedding. The last I heard from "Sam" he was a Naval Air Cadet but the announcement showed him to be an Ensign, USNR now. He married Miss Anne Wray from Swarthmore, Pa. Best of luck, "Sam."



Ensign Frank S. McKenna
"Keeping 1942'ers well informed"

Russ Burkey wrote me from Tinker Field, Okla., where he is with the Maintenance Division. He ran into **Len Miller** at Kelly Field a couple of months ago. From what everyone writes there must be a Lehigh man at every station and post from Guadalcanal to Italy.

Through the alumni office I've learned that **Joe Sexton** is engaged to Miss Marion L. Meleady; also that the latest addition to our A.P.O. addresses include Ensign **W. H. Riemer** with the Coast Guard; Capt. "Bad" Gleadall; Lt. **Ken Duggan**, USMC; Cpl. **F. T. Brundage**, AAF, and Lt. **W. L. Clark**.

Lt. Don Middleton is just about due to receive his wings in Georgia and hopes to stop off here on his way to his next station. **Lt. John Quincy** stopped in with his fiancee on his trip home for Christmas.

Hope some of you will give me a hand in the next issue.

Class of 1943

ENSIGN SAMUEL J. DAVY

B.O.Q., Submarine Base, New London, Conn.

Six weeks since the last report, and endless streams of news have come through at what might honestly be termed a "heartwarming" rate. In fact, we're tempted to withhold parts of it against future, less newsy periods! But space is precious, so to get on—

To be chronological, let's start with a long talk we had with **Bill Kuhar** on Thanksgiving weekend on the Asa Packer to New York. It seems Bill is doing very well as a vibrations engineer with Eastern Aircraft in Linden, N. J., and he hints that the money to be found in wartime engineering is a sin! **Joe Goth**, now an Army musician, and stationed at Camp Shanks, was also on the train, and between them informed me that **Bert Bander** is an industrial engineer at Western Electric, that **Nathan "N. G." Lesh** is a Cpl. with the Signal Corps at Monmouth, that **Harry Herald** is working with I.T.&T. near Newark, that **Al Hartung** is ASTP at Kenyon College in Ohio, and that **Don Ryan**, who married Marjorie Bean early in November, is a Cpl. at Camp Croft, S. C.

Ensign Dick Haslet is reported to be in mine warfare at Norfolk, but there's no telling when he'll go out. **Dick Gosztolyi** is a Naval Aviation Cadet at Chapel Hill, and **Ed Graybill** is a gunner in a Flying Fortress somewhere in Texas.

For ourselves, we were fortunate to draw a beautiful 16-day leave upon being detached from the Porpoise to enter sub-school at New London. It's a three month's course, guaranteed in the prospectus to lead "straight to Tokio." Be that as it may, during the leave we enjoyed a fine reunion with **Jack Curtis**, now of the Army engineers at Belvoir, and **Brooks Kern**, at Great Lakes now and awaiting ap-

pointment to a Midshipman's school. **Curtis** was beaming, for he and **Gale Wymer** had just passed the good word, and the date was set for January 15. It was a long chase, but a good one!

Then, on the New London train back East, we ran into **Phil Powers**, one of the few Lehigh men at Aberdeen who elected to stay in Ordnance. He is holding down an interesting post in Boston just now, and reported that **Bob Boston** switched to aviation ordnance, **Bob Bailey** to tank automatic warfare (or some such thing), and that **Chan McKaig** went to chemical warfare and is in or near Plainfield, N. J., doing some sort of research. **Howie Leifheit** made that same switch and is at Edgewood Arsenal. **Bob Holland** is now stationed in Indiana. **Chet Finch** is doing duty with the military police, but we don't recall his station.

Oh, yes, we nearly forgot to mention the incident that happened to us when **Art White** showed up in this class at the sub-school and it developed that he'd spent several weeks aboard the Pike, which is the sister ship of the Porpoise (that's ours) and normally ties up at the same dock! It gets to be a very small world, and yes, our faces were red! Art got his commission after graduation, went to Schuyler, then to Washington for a spell before reporting aboard the Pike sometime in November. His address is identical with our own just now.

But that's enough for now. There's more, but that is the best of it. Thanks for the letters (they're starting to come in at a gratifying rate, now) and don't forget to keep 'em coming. The reason is simple: the more letters, the better the column.

BIRTHS

CLASS OF 1929

To Mr. and Mrs. Lewis C. Beck, a daughter, born September 28.

CLASS OF 1936

To Lt. Colonel and Mrs. William S. Hutchinson, a son, William, 3rd, born December 26.

CLASS OF 1930

To Corporal and Mrs. Herman A. Schick, a daughter, Carol Toni, born December 5.

MARRIAGES

CLASS OF 1932

Lieutenant Francis A. Murray was wed to Miss Irene F. Brown, December 22 in the rectory of SS. Simon and Jude Church, Bethlehem.

CLASS OF 1935

Dr. Jackson E. Kress married Miss Kathryn Norton, December 20, in the Methodist Church, Sayre, Pa.

CLASS OF 1938

Lt. Colonel William A. Sheppard married Miss Helen M. Johnson, December 5.

CLASS OF 1939

Eugene R. L. Gaughran was wed to Miss Marion M. Dries in the Trinity Memorial Lutheran Church, Allentown, Pa., on January 3.

CLASS OF 1940

Captain Clifford F. Lincoln, Jr., was wed to Miss Sarah M. Marshall in St. John's Church, Cynwyd, Pa., on September 8.

CLASS OF 1941

Louis G. Gitzendanner married Miss Helen J. Scoville, November 6.

CLASS OF 1943

Edward S. Davis married Miss Winnie Taylor, October 23.

H. Bartley Frey, Jr., was wed to Miss Irene E. Noble, November 27.

Lieutenant John W. Gallaher, Jr., was wed to Miss Marjorie Ann Bast in the First Presbyterian Church, Bethlehem, January 10.

IN MEMORIAM**Lansford F. Chapman, '89**

Lansford F. Chapman, civil engineer for the New York Central Railroad and later connected in the property claim department of the same railroad, died

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J. H. Pierce, '10

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December 25. He had been ill for some time. He was 77 years of age.

James E. Boatrite, '91

James E. Boatrite died December 27 in the Hahnemann Hospital, Philadelphia, Pa.

A native of Columbus, Georgia, he was a graduate of Southwestern Presbyterian University and Lehigh University. He was a civil engineer, a member of the American Society of Civil Engineers, and the American Society of Municipal Engineers.

He is survived by his wife and four children.

Harry S. Johnson, '97

From Samuel P. Senior we learned that Harry S. Johnson died November 29 of a heart attack.

At the time of his death, Mr. Johnson was employed in the Cotton Textile Institute in New York. He was a member of the Theta Delta Chi fraternity.

He is survived by his wife.

Frank A. Vockrodt, '06

Frank A. Vockrodt, secretary of the Carborundum Co. died December 9 in his home, 3061 Lewiston Road, Niagara Falls, New York, after an illness of six weeks.



Frank A. Vockrodt

A native of Pittsburgh, Mr. Vockrodt was 58 years of age. He graduated from Lehigh University in 1906 with the degree of Engineer of Mines. He has been employed with the Carborundum Co. ever since 1920.

Mr. Vockrodt was a member of the National Association of Cost Accountants and a Mason, and also a member of the Alpha Tau Omega fraternity.

He is survived by his wife and son.

DIRECTORY OF**LEHIGH ALUMNI CLUBS**

Allentown, W. W. York, '24, (P); C. V. Converse, '28, (S), 143 N. 28th St.

Bethlehem, (Home Club) J. K. Conneen, '30, (P); W. E. Martin, '27, (S), 503 Dime Trust Bldg., Allentown, Pa.

Boston, D. C. Buell, Jr., '26, (P).

Central New York, Gordon Kent, '07, (S) The Kent Co., Rome, N. Y.

Central Penna., H. C. Towle, Jr., '28, (P); B. M. Root, '35, (S), 401 N. 29th St., Paxtang, Harrisburg, Pa.

Central Jersey, J. H. Pennington, '97, (P); C. F. McCoy, '37, (S), 107 King George Road, Pennington, N. J.

Chicago, W. O. Galins, '26, (P); E. K. Collison, '07, (S), George A. Fuller Co., 111 W. Washington St.

China, T. C. Yen, '01, (P); A. T. L. Yap, '19, (S), 16 Burkhill Rd., Shanghai, China.

Cincinnati, B. E. Kelfer, '18, (P); C. C. Sherrill, '35, (S), Box 111, Glendale, Ohio.

Delaware, W. M. Metten, '25, (P); G. H. Cross, Jr., '30, (S), 2211 Boulevard, Wilmington, Del.

Detroit, R. A. Lodge, '33, (P); E. E. Krack, '36, (S), 10386 Crocuslawn Ave.

Maryland, W. F. Perkins, '13, (P); P. J. Flanigan, Jr., '33, (S), 2405 Loch Raven Rd., Baltimore, Md.

Monmouth County, Jersey, C. A. Wolbach, (Chm); Carlton M. Roberts, '25, (S), 1508 Grand Ave., Asbury Park, N. J.

New York, F. E. Portz, '17, (P); Wm. McKinley, '19, (S), 414 E. 52nd St.

Northeast Penna., F. S. Lubrecht, '12, (P); G. G. Jacobovsky, '07, (S), 211 So. Main St., Wilkes-Barre, Pa.

Northern New Jersey, Larry Kingham, '25, (P); A. H. Loux, '35, (S), 917 Natl. Newark Bldg., 744 Broad St., Newark, N. J.

Northern Calif., R. H. Tucker, '79, (P), 1525 Waverly St., Palo Alto, Calif.

Northern N. Y., N. Y. Coxe, '34, (P); E. S. Gallagher, '36, (S), 1134 Glenwood Blvd., Schenectady, N. Y.

Northern Ohio, G. P. Nachman, '14, (P); H. B. Osborn, Jr., '32, (S), Ohio Crankshaft Co., 6600 Clement Ave., Cleveland, Ohio.

Philadelphia, T. G. Conley, Jr., '25, (P); Morris Bernstein, '96, (S), 2130 Estaugh St.

Pittsburgh, J. H. Throm, '11, (P); H. E. Lore, '35, (S), 311 Chestnut St., Sewickley, Pa.

Southern Anthracite, H. R. Randall, '23, (P), Rhoads Contracting Co., Ashland, Pa.

Southern New England, John R. Waltman, '26, (P); L. H. Van Billiard, '23 (S), Newtown, Conn.

Southeast Penna., H. J. Kaufmann, '10, (P); George Potts, '23, (S), 536 Court St., Reading, Pa.

Southern Calif., D. H. Kirkpatrick, '17, (P); W. C. Winterhalter, '19, (S), 1595 North Lake Ave., Pasadena, Calif.

Washington, D. C., E. C. Gott, '21 (P); Samuel Scrivener, '26, (S), 3422-36th St., N.W.

Western New York, S. M. Brown, '36, (P); L. G. Meurer, '26, (S), Marine Trust Bldg., Buffalo, N. Y.

York, Pa., J. G. Bergdoll, '19, (P); C. H. Neiman, '35, (S), 330 W. Jackson St., York, Pa.

Youngstown, O., J. S. Stanler, '23, (P); J. A. Waterman, '30, (S), P. O. Box 135, Poland, Ohio.



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**The term FLEXLASTICS is a MANHATTAN Trade Mark. Only MANHATTAN can make FLEXLASTICS.*

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President

Benjamin F. Shaw Company

2nd & Lombard Streets
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